AUTOELITE
CAR SERVICE

# Custom modifications

autoelite.lt

## FOR CAMPERS




## SOFTWARE & FABRICATION

# Autoelite –
# always the right choice

# Why Us?

Welcome to our RV repair service company, AutoElite! With vast experience and high quality standards, we are committed to ensuring your camper's repair and safety. Our professional team strives not only to perform quality repairs, but also to exceed your expectations at every stage of the repair.

Trust our experience and choose a reliable partner for your car repair!

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# RV storage battery

Used grade A lifepo4 battery cells

Silver plated copper terminal and fireproof shell materials

More than 6000 times deep cycle, high energy density and environmentally friendly

Built-in BMS

Certificate CE, UN38.3, MSDS

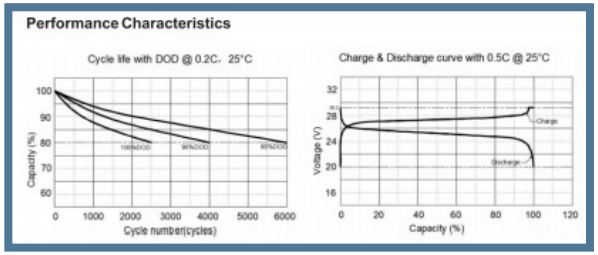
IP65 waterproof performance



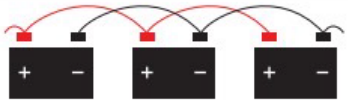

# 12,8V 200AH

LifePo4 energy storage battery

UN38.3 MSDS CE




Parallel connection of batteries



# PRODUCT SHOW



M8 screw



















Storage battery

# Communication instructions

It is mainly used to read the battery voltage, charge and discharge current, protection status of each string of lithium batteries, and the parameter setting function of the lithium battery protection board, so that users can clearly understand the health status of lithium batteries and ensure the safety of lithium batteries.

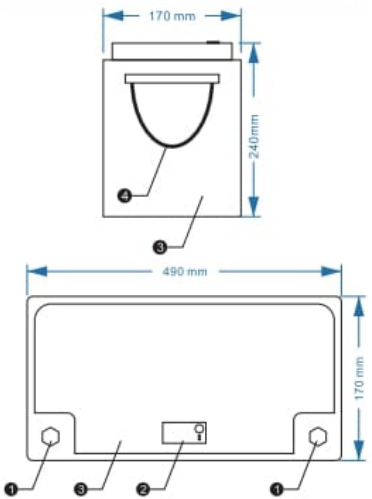
**Use of APP**
The APP can be installed on Android 4.3 and above, and used on devices that support Bluetooth 4.0, and can only run after obtaining the permission to use Bluetooth.

**APP download**
Please open your mobile browser and scan the QR code below to download and install.

**Bluetooth connection**
In the connection interface, scan the surrounding Bluetooth 4.0 devices, click the connection device. The APP automatically recognizes whether the device is supported, and if it is supported, it will enter the dashboard interface. If it is not supported, it will prompt the user that the device is not supported and disconnect.

| Features: | RSPS-200AH-12 |
|---|---|
| Battery type | Lithium iron phosphate battery pack |
| Model nominal voltage capacity | FE12200KP 12,8v\200Ah |
| Net weight | 23 kg |
| Size | Height 240 x Width 170 x Long 490 mm |
| Housing material | ABS plastic |
| Color | Black |
| Battery pack combination mode | 33174200 4S2P |
| Cell model and capacity | CATL 33174200 100Ah |
| Discharge | |
| Standard discharge current | ≤120A |
| Maximum instantaneous discharge current | ≤250A(1s) |
| Discharge termination voltage | 9.2V |
| Discharge cycle life | 6000 times (≥80%) |
| Charge | |
| Charging mode CC CV | Standard charging: 20A6 hours<br>Fast charging: 100A 1 hour |
| Charging voltage | DC 14,6V |
| Operating temperature requirements | |
| Charge | 0°C--45°C |
| Normal temperature discharge | 0°C--60°C 98% discharge efficiency |
| Low-temperature discharge | -10°C-0°C 70% discharge efficiency |
| Keep in storage | -10°C---30°C |
| PCB board | |
| Protection control | Overcharge protection value 14.6V<br>Overdischarge protection value 9.2V<br>Overcurrent protection |
| Battery pack peripherals | |
| Power display board | LCD display |
| Charging and discharging port | Special discharge connector for lead shell |

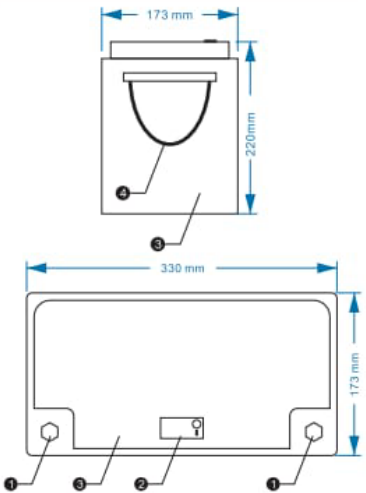
## Structural parts description




1. M8 screw
2. LED Display
3. ABS plastic shell
4. Portable woven rope

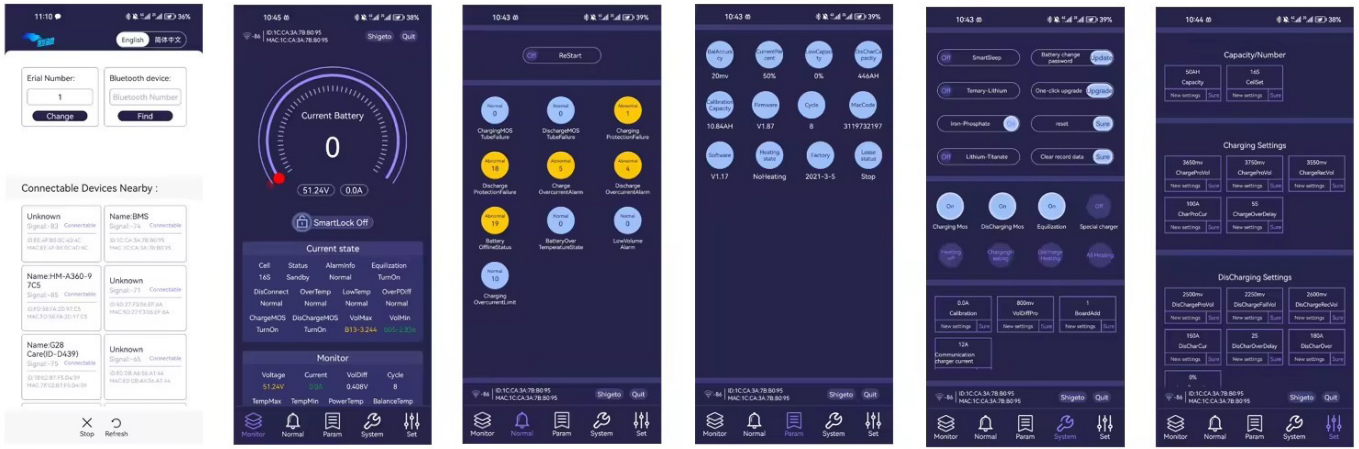
| Features: | RSPS-100AH-12 |
|---|---|
| Battery type | Lithium iron phosphate battery pack |
| Model nominal voltage capacity | FE12100KP 12,8v\100Ah |
| Net weight | ~12 kg |
| Size | Height 220 x Width 173 x Long 330 mm |
| Housing material | ABS plastic |
| Color | Black |
| Battery pack combination mode | 2770134 4S 4P |
| Cell model and capacity | Lishen 2770135 24AH |
| Discharge | |
| Standard discharge current | ≤120A |
| Maximum instantaneous discharge current | ≤250A(1s) |
| Discharge termination voltage | 9.2V |
| Discharge cycle life | 6000 times (≥80%) |
| Charge | |
| Charging mode CC CV | Standard charging: 20A6 hours<br>Fast charging: 100A 1 hour |
| Charging voltage | DC 14,6V |
| Operating temperature requirements | |
| Charge | 0°C--45°C |
| Normal temperature discharge | 0°C--60°C 98% discharge efficiency |
| Low-temperature discharge | -10°C-0°C 70% discharge efficiency |
| Keep in storage | -10°C---30°C |
| PCB board | |
| Protection control | Overcharge protection value 14.6V<br>Overdischarge protection value 9.2V<br>Overcurrent protection |
| Battery pack peripherals | |
| Power display board | LCD display |
| Charging and discharging port | Special discharge connector for lead shell |

## Structural parts description

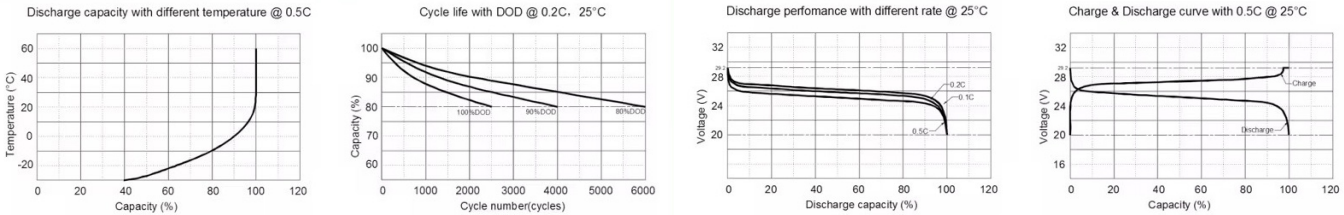



1. M8 screw
2. LED Display
3. ABS plastic shell
4. Portable woven rope

# APP INTERFACE

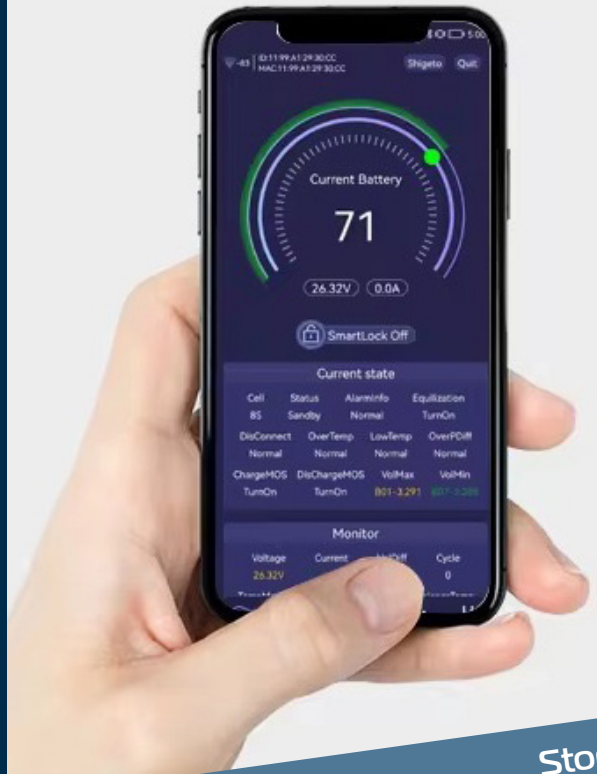



# PERFORMANCE CHARACTERISTICS



# BLUE TOOTH

Battery Status and Data checked by phone




**CLEARLY CHECK THE SOC, VOLTAGE AND CURRENT**






# RV vehicle parts & accessories

# RV PU Door



| Product code: | 3J-PD-1 |
|---|---|
| Specification, mm | 1920 x 620 |
| Cut-out, mm | 1922 x 622 (4-R90 mm) |

**When placing orders please let us know key specifications, including HxW & wall thickness**

## FEATURE & FUNCTIONS:

- High-density PU foaming process providing better acoustic and thermal insulation
- Hidden hinge
- Right hinge
- Powder coated aluminum alloy frame and panel
- Acrylic double glazing, UV resistance, E-mark certified
- Anodized aluminum handle
- ABS inner shell
- Full blackout pleated blind
- 2-point safety lock (automotive electronic door lock mechanism can be mounted for remote control)
- Applicable wall thickness: 28-36 mm
- Maximum opening angle: 180˚
- Wall-clamping installation, required screws and plastic parts included in the packaging
- Matched with side sliding pleated fly screen
- Optional limit strut or door retainer
- Weight: 21,5 kg





Optional golden handrail



Optional trash can of different colors

| Product code: | 3J-PD-2 |
|---|---|
| Specification, mm | 1810 x 600 |
| Cut-out, mm | 1812 x 602 (4-R90 mm) |

**When placing orders please let us know key specifications, including HxW & wall thickness**

## FEATURE & FUNCTIONS:

- High-density PU foaming process providing better acoustic and thermal insulation
- Hidden hinge
- Right hinge
- Powder coated aluminum alloy frame and panel
- Acrylic double glazing, UV resistance, E-mark certified
- Anodized aluminum handle
- ABS inner shell
- Full blackout pleated blind
- 2-point safety lock (automotive electronic door lock mechanism can be mounted for remote control)
- Applicable wall thickness: 28-36 mm
- Maximum opening angle: 180˚
- Wall-clamping installation, required screws and plastic parts included in the packaging
- Matched with side sliding pleated fly screen
- Optional limit strut or door retainer
- Weight: 19,5 kg

# RV PU Door



| Product code: | 3J-PDM-1 |
|---|---|
| Specification, mm | 1810 x 600 |
| Cut-out, mm | 1812 x 602 (4-R90 mm) |

**When placing orders please let us know key specifications, including HxW & wall thickness**

- High-density PU foaming process providing better acoustic and thermal insulation
- Patented 2-point lock independently developed by Sanjo realizing functions, such as remote control, self-priming, step linkage, keyless entry system and child safety
- Lock and hinge having passed above-11 000N ultimate load test, complying with China Compulsory Certification and EU M1 standard
- The whole door having passed durability test of above-100,000 times opening and closing, water-proof test, flame retardant test, prohibited substances test and other related tests
- Acrylic double glazing, UV resistance, E-mark certified
- Powder coated high-strength aluminum alloy frame and panel
- ABS inner shell
- Full blackout pleated blind
- Right hinge
- High-grade chrome-plated aluminum handle
- Optional limit strut, door holder and trash cans
- Applicable wall thickness: 28-36 mm
- Maximum opening angle: 180°
- Wall-clamping installation, required screws and plastic parts included in the packaging
- Matched with side sliding pleated fly screen
- Weight: 23,0 kg



| Product code: | 3J-PDM-2 |
|---|---|
| Specification, mm | 1920 x 620 |
| Cut-out, mm | 1922 x 622 (4-R90 mm) |

**When placing orders please let us know key specifications, including HxW & wall thickness**

- High-density PU foaming process providing better acoustic and thermal insulation
- Patented 2-point lock independently developed by Sanjo realizing functions, such as remote control, self-priming, step linkage, keyless entry system and child safety
- Lock and hinge having passed above-11 000N ultimate load test, complying with China Compulsory Certification and EU M1 standard
- The whole door having passed durability test of above-100,000 times opening and closing, water-proof test, flame retardant test, prohibited substances test and other related tests
- Acrylic double glazing, UV resistance, E-mark certified
- Powder coated high-strength aluminum alloy frame and panel
- Removable storage box
- ABS inner shell
- Full blackout pleated blind
- Right hinge
- High-grade chrome-plated aluminum handle
- Optional limit strut, door holder and trash cans
- Applicable wall thickness: 28-36 mm
- Maximum opening angle: 180°
- Wall-clamping installation, required screws and plastic parts included in the packaging
- Matched with side sliding pleated fly screen
- Weight: 25,5 kg

# RV U Door





Optional golden handrail



Optional trash can of different colors

| Product code: | 3J-UD-1 |
|---|---|
| Specification, mm | 1800 x 580 |
| Cut-out H x W, mm | 1802 x 582 (4-R90 mm) |
| Open | R / L |

**When placing orders please let us know key specifications, including HxW & wall thickness**

## FEATURE & FUNCTIONS:

- High-strength aluminum alloy sandwich panel
- Powder coated aluminum alloy frame
- Acrylic double glazing, UV resistance, E-mark certified
- Anodized aluminum handle
- ABS inner shell
- Full blackout pleated blind
- 2-point safety lock (Automotive electronic door lock mechanism can be mounted for remote control)
- Open mode: Right hinge; Left hinge
- Applicable wall thickness: 28-36 mm
- Maximum opening angle: 180°
- Wall-clamping installation, required screws and plastic parts included in the packaging
- Matched with side sliding pleated fly screen
- Optional detachable trash can, limit strut and door retainer
- Weight: 19,5kg



| Product code: | 3J-UD-2 |
|---|---|
| Specification, mm | 1616 x 606 / 1356 x 606 |
| Cut-out H x W, mm | 1618 x 608 / 1358 x 608 (4-R90 mm) |
| Open | L |
| Weight, kg | 18,0 / 16,0 |

**When placing orders please let us know key specifications, including HxW & wall thickness**

## FEATURE & FUNCTIONS:

- High-strength aluminum alloy sandwich panel
- Powder coated aluminum alloy frame
- Anodized aluminum handle
- ABS inner shell
- 2-point safety lock (Automotive electronic door lock mechanism can be mounted for remote control)
- Open mode: Left hinge
- Applicable wall thickness: 28-36mm
- Maximum opening angle: 180°
- Wall-clamping installation, required screws and plastic parts included in the packaging
- Matched with side sliding pleated fly screen
- Optional limit strut or door retainer



## FEATURE & FUNCTIONS:

- High-strength aluminum alloy sandwich panel
- Powder coated aluminum alloy frame
- Extra thick ABS inner shell
- 2-point safety lock (Automotive electronic door lock mechanism can be mounted for remote control)
- Applicable wall thickness: 28-36mm
- Maximum opening angle: 180˚
- Wall-clamping installation, required screws and plastic parts included in the packaging
- Matched with side sliding pleated fly screen
- Optional limit strut, door retainer, hat-and-coat hook and net bag

| Product code: | 3J-UD-3 |
|---|---|
| Specification, mm | 1800 x 580 / 1810 x 600 |
| Cut-out H x W, mm | 1802 x 582 / 1812 x 602 (4-R90 mm) |
| Open | R |
| Weight, kg | 17,0 / 17,5 |

**When placing orders please let us know key specifications, including HxW & wall thickness**



| Product code: | 3J-UDM-1 |
|---|---|
| Specification, mm | 1810 x 600 |
| Cut-out, mm | 1812 x 602 (4-R90 mm) |

**When placing orders please let us know key specifications, including HxW & wall thickness**

- Patented 2-point lock independently developed by Sanjo realizing functions, such as remote control, self-priming, step linkage, key less entry system and child safety
- Lock and hinge having passed above-11 000N ultimate load test, complying with China Compulsory Certification and EU M1 standard
- The whole door having passed durability test of above-100,000 times opening and closing, water-proof test, flame retardant test, prohibited substances test and other related tests
- Acrylic double glazing, UV resistance, E-mark certified
- Powder coated high-strength aluminum alloy frame and panel
- Excellent ABS inner shell allocating an independent decorative panel area, for design of different colors as per customers' requirements
- Full blackout pleated blind
- Right hinge
- High-grade chrome-plated handle
- Optional limit strut, door retainer and one trash can from multiple models
- Applicable wall thickness: 28-36mm
- Maximum opening angle: 180°
- Wall-clamping installation, required screws and plastic parts included in the packaging
- Matched with side sliding pleated fly screen
- Weight: 22,5 kg

## Multifunctional RV door

# Multifunctional RV door



| Product code: | 3J-UDM-2 |
|---|---|
| Specification, mm | 1920 x 620 |
| Cut-out, mm | 1922 x 622 (4-R90 mm) |

**When placing orders please let us know key specifications, including HxW & wall thickness**

- Patented 2-point lock independently developed by Sanjo realizing functions, such as remote control, self-priming, step linkage, key less entry system and child safety
- Lock and hinge having passed above-11 000N ultimate load test, complying with China Compulsory Certification and EU M1 standard
- The whole door having passed durability test of above-100,000 times opening and closing, water-proof test, flame retardant test, prohibited substances test and other related tests
- Acrylic double glazing, UV resistance, E-mark certified
- Powder coated high-strength aluminum alloy frame and panel
- Excellent ABS inner shell allocating an independent decorative panel area, for design of different colors as per customers' requirements
- Full blackout pleated blind
- Right hinge
- High-grade chrome-plated handle
- Optional limit strut, door retainer and one trash can from multiple models
- Applicable wall thickness: 28-36mm
- Maximum opening angle: 180°
- Wall-clamping installation, required screws and plastic parts included in the packaging
- Matched with side sliding pleated fly screen
- Weight: 23,5 kg











| Product code: | 3J-UDM-3 |
|---|---|
| Specification, mm | 1800 x 580 / 1750 x 580 / 1950 x 580 |
| Cut-out H x W, mm | 1802 x 582 / 1752 x 582 / 1952 x 582 (4-R90 mm) |
| Open | R |
| Weight, kg | 22,0 / 21,5 / 23,0 |

**When placing orders please let us know key specifications, including HxW & wall thickness**

## Multifunctional RV door

# Multifunctional RV door



| Product code: | 3J-UDM-4 |
|---|---|
| Specification, mm | 1800 x 580 / 1750 x 580 |
| Cut-out, mm | 1802 x 582 / 1752 x 582 (4-R90 mm) |
| Open | L / L |
| Weight, kg | 22,0 / 21,5 |

**When placing orders please let us know key specifications, including HxW & wall thickness**

- Patented 2-point lock independently developed by Sanjo realizing functions, such as remote control, self-priming, step linkage, key less entry system and child safety
- Lock and hinge having passed above-11 000N ultimate load test, complying with China Compulsory Certification and EU M1 standard
- The whole door having passed durability test of above-100,000 times opening and closing, water-proof test, flame retardant test, prohibited substances test and other related tests
- Acrylic double glazing, UV resistance, E-mark certified
- Powder coated high-strength aluminum alloy frame and panel
- Excellent ABS inner shell allocating an independent decorative panel area, for design of different colors as per customers' requirements
- Full blackout pleated blind
- Right hinge
- High-grade chrome-plated handle
- Optional limit strut, door retainer and one trash can from multiple models
- Applicable wall thickness: 28-36mm
- Maximum opening angle: 180˚
- Wall-clamping installation, required screws and plastic parts included in the packaging
- Matched with side sliding pleated fly screen



- Patented 2-point lock independently developed by Sanjo realizing functions, such as remote control, self-priming, step linkage, key less entry system and child safety
- Lock and hinge having passed above-11 000N ultimate load test, complying with EU M1 standard
- The whole door having passed durability test of above-100,000 times opening and closing, water-proof test
- Acrylic double glazing, UV resistance, E-mark certified
- Powder coated high-strength aluminum alloy frame and panel
- Full blackout pleated blind
- Right hinge
- High-grade chrome-plated handle
- Optional limit strut, door retainer and one trash can from multiple models
- Applicable wall thickness: 28-36mm
- Maximum opening angle: 180°
- Wall-clamping installation, required screws and plastic parts included in the packaging
- Matched with side sliding pleated fly screen
- Weight: 21,86 kg

| Product code: | 3J-UDM-5 |
|---|---|
| Specification, mm | 1810 x 600 (other sizes can be customized) |
| Cut-out, mm | 1812 x 602 (4-R90 mm) |

**When placing orders please let us know key specifications, including HxW & wall thickness**

## Multifunctional RV door

AUTO ELITE
CAR SERVICE

# RV free door



| Product code: | 3J-FD |
|---|---|
| Specification, mm | 1820 x 620 (other sizes can be customized) |
| Cut-out, mm | 1822 x 622 (2-R90 mm) |

**When placing orders please let us know key specifications, including HxW & wall thickness**

## FEATURE & FUNCTIONS:

- High-strength aluminum alloy sandwich panel
- Powder coated aluminum alloy frame
- Acrylic double glazing, UV resistance, E-mark certified
- nner shell made of FRP or aluminum alloy panel
- Full blackout pleated blind
- Optional mechanical lock, coded lock or campsite card lock
- Right hinge or Left hinge
- Applicable wall thickness: 33-42mm
- Maximum opening angle: 180°
- Wall clip with screws and plastic parts included in the package
- Matched with side sliding pleated fly screen
- Optional door retainer



## FEATURE & FUNCTIONS:

- Surface plate made of high-strength aluminum alloy sanwich panel
- Aluminum alloy frame, white or black powder coating
- CCC certified toughened glass or E-mark certified acrylic glazing
- High strength aluminum grid mesh
- High strength fiberglass mesh
- Unique design of outer door and fly screen to be combined or separated
- Maximum opening angle: 180°
- Optional door retainer and decorative rubber strip

| Product code: | 3J-MD |
|---|---|
| Specification, mm | 900 x 620 / 1750 x 522 / 1822 x 622 |
| Cut-out H x W, mm | 902 x 622 / 1752 x 524 / 1824 x 624 (2R-90 / 4R-90 / 2TS mm) |
| Open | L / R |

**Special sizes can be customized**

RV MD



## FEATURE & FUNCTIONS:

- High quality aluminum alloy, powder coated into while or black, or other colors specified
- Optional left or right hinge
- Stainless steel mesh
- Acrylic panel, UV resistance, E-mark certified
- 3-point lock
- Plastic vent
- Outer door and safely door to be separated or combined
- Optional card-swiping function

| Product code: | 3J-AD |
|---|---|
| Specification, mm | 1623 x 622 / 1750 x 622 / 1822 x 622 / 1908 x 622 / 1908 x 762 |
| Cut-out H x W, mm | 1626 x 625 / 1753 x 625 / 1825 x 625 / 1911 x 625 / 1911 x 765 (2R-90 / 4R-90 / 2TS mm) |
| Open | L / R |

**Special sizes can be customized**





## FEATURE & FUNCTIONS:

- Especially for Maxus V90 chassis
- aluminum alloy Frame and pull rod
- Frame color to be customized
- Special door sill rail to prevent being treaded or dirt retention
- Anti-mosquito honeycomb screening and high-strength wearproof pull cord

| | |
|---|---|
| Product code: | 3J-FSD-V90 |
| Specification, mm | 1760 x 1300 |

RV flyscreen door

# RV flyscreen door



- Extruded plastic profile frame combing with plastic corner joint
- To be customized as per different door sizes
- Anodized aluminum pull rail
- Special door sill rail to prevent being treaded or dirt retention
- Anti-mosquito pleated screening and high-strength wearproof pull cord

| Product code: | 3J-FSD |
|---|---|

**When placing orders please let us know key specifications, including HxW & wall thickness**



- aluminum profile frame combining with plastic corner joint
- Anodized aluminum pull rail with magnetic strip
- Anti-mosquito pleated screening and high-strength wearproor pull cord
- Matching RV doors with different specifications

| Product code: | 3J-FSD-1 |
|---|---|

**When placing orders please let us know key specifications, including HxW & wall thickness**



## FEATURE & FUNCTIONS:

- Surface plate made of high-strength aluminum alloy sandwich panel
- aluminum alloy frame, surface color to be customized
- Self-tighten cam lock, vehicle universal cylinder to be supplied
- Applicable wall thickness: thin frame for 28-36mm, thick frame for 40-S0mm
- Maximum opening angle: 180°
- Optional R90, R80 or R70 to match the cut-out
- Wall-clipping installation, with screws combining with plastic parts, or with screws combing with mounting frame
- Luggage door with air grill integrated on can be supplied (only knob lock to be equipped)
- Optional gas strut or door retainer, also to be used as picnic table
- Other locks to be installed per requirements

| | |
|---|---|
| Product code: | 3J-LD |
| Specifications: (H x W), mm | 450-1000 x 450-1500 |

**Special sizes can be customized**

RV luggage door

# RV picnic table







| Product code: | 3J-CPT |
|---|---|
| Specification, mm | 400 x 600 / 450 x 800 / 500 x 900 |
| Colour | White / Black |
| Fillet, mm | R57 |
| Weight, kg | 2,5 / 3,4 / 4,1 |

**Special sizes can be customized**

- Simple installation, to be directly fixed on the inside or outside of the vehicle body with screws
- Stainless steel hinge
- 2 sets of chromed locks and keys attached, or only nickel-plated locks without keys
- High-strength aluminum alloy frame
- aluminum alloy folding hinge
- Powder coated into white or black, or other colors specified
- Ultra-thin frame of 19mm
- Having passed salt spray test of 720 hours
- Opening angle: 90°
- Maximum bearing of 20 kg
- With or without light, optional back plate





## FEATURE & FUNCTIONS:

- Powder coated high strength aluminum alloy frame
- Standard frame color of White or black, other colors to be customized
- Powder coated high strength aluminum alloy panel
- Stainless steel sliding strut
- Maximum opening angle: 75°
- Simple structure, easy installation and usage

| Product code: | 3J-PSC |
|---|---|
| Specification, mm | 450 x 1175 / 565 x 1524 |
| Cut-out H x W, mm | 453 x 1178 / 568 x 1527 |
| Hole fillet, mm | R70 |
| Weight, kg | 4,8 / 7,8 |

**Special sizes can be customized**

# RV baggage door





## FEATURE & FUNCTIONS:

- Powder coated high strength aluminum alloy frame
- Standard frame color of white or black, other colors to be customized
- Powder coated high strength aluminum alloy panel, other panel materials to be customized
- Auto-class gas strut
- Push-out top-hung opening with maximum angle of 90°
- Mechanical 3-point lock
- Light structure, easy installation and usage, durable design, other sizes to be customized

| Product code: | 3J-BD |
|---|---|
| Specification, mm | 380 x 1524 |
| Cut-out H x W, mm | 383 x 1527 |
| Hole fillet, mm | R70 |
| Weight, kg | 5,2 |

**Special sizes can be customized**










## FEATURE & FUNCTIONS:

- For all wall thicknesses
- Surface plate made of high-strength aluminum alloy sandwich panel
- UV-resistant material being employed
- Stainless steel shaft being used on the hinge
- Self-tighten cam lock, vehicle universal cylinder to be supplied
- Maximum opening angle: 180°
- Used as the door for toilet holding tank, or as small compartment door
- Lock type to be specified when ordering

| Product code: | 3J-PHD-3# / 3J-PHD-4# |
|---|---|
| Size L x W x H, mm | 347 x 295 x 46 / 645 x 345 x 46 |
| Overall dimensions L x W x H, mm | 379 x 331 x 46 / 677 x 383 x 46 |
| Cut-out H x W, mm | 349 x 297 / 647 x 347 |
| Hole fillet, mm | R33 |
| Colour | White / Black |
| Weight, kg | 1,5 / 2,5 |

# RV plastic hatch door



With frame



Without frame

## FEATURE & FUNCTIONS:

- Streamlined stylish appearance
- Waterproof and UV resistance
- Double-sealing to guarantee the best insulation
- Easy horizontal or vertical installation
- Unique one-push locking function to avoid accidental opening in motion
- Accessible installing instruction and cut-out template drawings attached
- Applicable wall thickness: 23-39mm

| Product code: | 3J-PHD-3#S |
|---|---|
| Outline sizes without frame W x H, mm | 385 x 335 x R33 |
| Outline sizes with frame W x H, mm | 385 x 340 x R33 |
| Cut-out, mm | 349 x 296 x R33,5 |
| Colour | White / Black |

Product code: 3J-EW

| Specification, mm | Cut-out H x W, mm |
|---|---|
| 250 x 400 | 253 x 403 |
| 300 x 500 | 303 x 503 |
| 300 x 700 | 303 x 703 |
| 350 x 500 | 353 x 503 |
| 350 x 600 | 353 x 603 |
| 300 x 1100 | 303 x 1103 |
| 350 x 1200 | 353 x 1203 |
| 350 x 1450 | 353 x 1453 |
| 400 x 250 | 403 x 253 |
| 400 x 700 | 403 x 703 |
| 400 x 1200 | 403 x 1203 |
| 450 x 500 | 453 x 503 |
| 450 x 610 | 453 x 613 |
| 450 x 700 | 453 x 703 |
| 450 x 800 | 453 x 803 |
| 450 x 900 | 453 x 903 |
| 450 x 1000 | 453 x 1003 |
| 450 x 1100 | 453 x 1103 |
| 500 x 300 | 503 x 303 |
| 500 x 350 | 503 x 353 |
| 500 x 450 | 503 x 453 |
| 500 x 520 | 503 x 523 |
| 500 x 800 | 503 x 803 |
| 500 x 900 | 503 x 903 |
| 500 x 1200 | 503 x 1203 |
| 520 x 500 | 523 x 503 |
| 520 x 900 | 523 x 903 |
| 550 x 700 | 553 x 703 |
| 550 x 900 | 553 x 903 |
| 550 x 1100 | 553 x 1103 |
| 550 x 1300 | 553 x 1303 |
| 550 x 1450 | 553 x 1453 |
| 600 x 350 | 603 x 353 |
| 600 x 600 | 603 x 603 |
| 610 x 450 | 613 x 453 |
| 700 x 400 | 703 x 403 |
| 700 x 550 | 703 x 553 |
| 800 x 450 | 803 x 453 |
| 800 x 700 | 803 x 703 |
| 800 x 1000 | 803 x 1003 |
| 800 x 1200 | 803 x 1203 |
| 900 x 500 | 903 x 503 |
| 900 x 900 | 903 x 903 |

**Hole fillet, mm - R70 for all sizes**
**Special sizes can be customized**
**When placing orders please let us know key specifications, including HxW & wall thickness**



## FEATURE & FUNCTIONS:

- Acrylic double glazing with raised outside and flat inside surfaces, UV resistance, E-mark certified
- Powder coated high strength aluminum alloy frame
- EPDM rubber seal around frame for waterproof
- Push-out opening with optional struts, including hand-twisting, mechanical or stepless ones
- Wieldy handle, 2 closing positions
- Applicable wall thickness: 25-60mm
- Wall-clipping installation with aluminum mounting frame, no need to drill on the vehicle
- Multiple kinds of blind to be selected
- Standard frame color of black, other colors to be customized





RV Euro classic window

# RV rubber framed window







## FEATURE & FUNCTIONS:

- Extra-light frameless design
- Acrylic double glazing, UV resistance, E-mark certified
- aluminum alloy hinge with high tensile strength
- Special rubber seal around the cut-out for waterproof
- Push-out opening with optional struts
- Wieldy handle, 2 closing positions
- Multiple kinds of blind to be selected

Product code: 3J-RFW

| Specification, mm | Cut-out H x W, mm |
|---|---|
| 300 x 500 | 300 x 500 |
| 300 x 1200 | 300 x 1200 |
| 360 x 720 | 360 x 720 |
| 450 x 500 | 450 x 500 |
| 500 x 300 | 500 x 300 |
| 500 x 700 | 500 x 700 |
| 500 x 900 | 500 x 900 |
| 520 x 500 | 520 x 500 |
| 520 x 900 | 520 x 900 |
| 550 x 700 | 550 x 700 |
| 550 x 1100 | 550 x 1100 |
| 600 x 1250 (T shape) | 600 x 1250 |

**Hole fillet, mm - R70 for all sizes**
**Special sizes can be customized**
**When placing orders please let us know key specifications, including HxW & wall thickness**

Product code: 3J-F AW / 3J-FAWF

| Specification, mm | Cut-out H x W, mm |
|---|---|
| 300 x 500 | 300 x 500 |
| 300 x 700 | 300 x 700 |
| 300 x 900 | 300 x 900 |
| 300 x 1100 | 300 x 1100 |
| 300 x 1200 | 300 x 1200 |
| 350 x 500 | 350 x 500 |
| 350 x 700 | 350 x 700 |
| 350 x 1200 | 350 x 1200 |
| 380 x 280 | 380 x 280 |
| 400 x 450 | 400 x 450 |
| 400 x 500 | 400 x 500 |
| 400 x 700 | 400 x 700 |
| 400 x 800 | 400 x 800 |
| 450 x 500 | 450 x 500 |
| 450 x 610 | 450 x 610 |
| 450 x 700 | 450 x 700 |
| 450 x 800 | 450 x 800 |
| 450 x 900 | 450 x 900 |
| 450 x 1100 | 450 x 1100 |
| 500 x 300 | 500 x 300 |
| 500 x 350 | 500 x 350 |
| 500 x 450 | 500 x 450 |
| 500 x 500 | 500 x 500 |
| 500 x 700 | 500 x 700 |
| 500 x 900 | 500 x 900 |
| 500 x 1000 | 500 x 1000 |
| 500 x 1200 | 500 x 1200 |
| 520 x 500 | 520 x 500 |
| 520 x 700 | 520 x 700 |
| 520 x 900 | 520 x 900 |
| 550 x 700 | 550 x 700 |
| 550 x 900 | 550 x 900 |
| 550 x 1100 | 550 x 1100 |
| 550 x 1450 | 550 x 1450 |
| 600 x 550 | 600 x 550 |
| 800 x 700 | 800 x 700 |
| 800 x 1000 | 800 x 1000 |
| 900 x 900 | 900 x 900 |

**Hole fillet, mm - R780 for all sizes**
**3J-F AW** (installation with mounting parts)
**3J-FAWF** (installation with aluminum inner frame)
**Special sizes can be customized**
**When placing orders please let us know key specifications, including HxW & wall thickness**

## FEATURE & FUNCTIONS:

- Acrylic double glazing with flat outside and raised inside surfaces, UV resistance, E-mark certified
- Powder coated high strength aluminum alloy frame
- Push-out opening to stay at multiple positions with optional struts
- Wieldy handle, 2 closing positions
- Mounting parts are applicable to wall thickness of 25-40 mm, while inner aluminum frame is applicable to wall thickness of 25-60 mm
- Optional mounting parts or using aluminum inner frame
- Multiple kinds of blind to be selected
- Standard frame color of black, other colors to be customized







RV flat acrylic window

# RV curved flat acrylic window





## FEATURE & FUNCTIONS:

- Acrylic double glazing with flat outside and raised inside surfaces, UV resistance, E-mark certified
- Powder coated high strength curved aluminum alloy frame
- Push-out opening to stay at multiple positions
- Wieldy handle, 2 closing positions
- Applicable wall thickness: 25-40 mm, R5000 curved installation surface
- Wall-clipping installation, no need to drill on the vehicle
- Multiple kinds of blind to be selected
- Standard frame color of black, other colors to be customized

Product code: 3J-CFAW

| Specification, mm | Cut-out H x W, mm |
|---|---|
| 315 x 818 | 315 x 818 |
| 380 x 280 | 380 x 280 |
| 400 x 500 | 400 x 500 |
| 465 x 560 | 465 x 560 |
| 465 x 750 | 465 x 750 |
| 500 x 400 | 500 x 400 |
| 500 x 490 | 500 x 490 |
| 510 x 709 | 510 x 709 |

**Hole fillet, mm - R80 for all sizes**
**Special sizes can be customized**
**When placing orders please let us know key specifications, including HxW & wall thickness**

Product code: 3J-SW

| Specification, mm | Cut-out H x W, mm |
|---|---|
| 300 x 400 | 303 x 403 |
| 300 x 450 | 303 x 453 |
| 300 x 500 | 303 x 503 |
| 300 x 600 | 303 x 603 |
| 300 x 900 | 303 x 903 |
| 300 x 1200 | 303 x 1203 |
| 350 x 500 | 353 x 503 |
| 350 x 550 | 353 x 553 |
| 350 x 600 | 353 x 603 |
| 350 x 750 | 353 x 753 |
| 350 x 1200 | 353 x 1203 |
| 400 x 400 | 403 x 403 |
| 400 x 500 | 403 x 503 |
| 400 x 600 | 403 x 603 |
| 400 x 650 | 403 x 653 |
| 400 x 700 | 403 x 703 |
| 400 x 800 | 403 x 803 |
| 400 x 900 | 403 x 903 |
| 450 x 500 | 453 x 503 |
| 450 x 550 | 453 x 553 |
| 450 x 600 | 453 x 603 |
| 450 x 610 | 453 x 613 |
| 450 x 650 | 453 x 653 |
| 450 x 700 | 453 x 703 |
| 450 x 750 | 453 x 753 |
| 450 x 900 | 453 x 903 |
| 450 x 1000 | 453 x 1003 |
| 450 x 1100 | 453 x 1103 |
| 500 x 500 | 503 x 503 |
| 500 x 700 | 503 x 703 |
| 500 x 800 | 503 x 803 |
| 500 x 830 | 503 x 833 |
| 500 x 900 | 503 x 903 |
| 500 x 1000 | 503 x 1003 |
| 500 x 1200 | 503 x 1203 |
| 550 x 900 | 553 x 903 |
| 550 x 1100 | 553 x 1103 |
| 600 x 1200 | 603 x 1203 |

**Hole fillet, mm - R70 for all sizes**
**Special sizes can be customized**
**When placing orders please let us know key specifications, including HxW & wall thickness**

## FEATURE & FUNCTIONS:

- Extra-thick acrylic single glazing, UV resistance, E-mark certified
- Powder coated high strength aluminum alloy frame
- Opening by sliding one side glazing
- Applicable wall thickness: 25-60 mm
- Wall-clipping installation with aluminum mounting frame, no need to drill on the vehicle
- Multiple kinds of blind to be selected
- Standard frame color of black, other colors to be customized



RV sliding window

# RV double sliding window



Product code: 3J-DSW

| Specification, mm | Cut-out H x W, mm |
|---|---|
| 350 x 500 | 353 x 503 |
| 350 x 600 | 353 x 603 |
| 450 x 1100 | 453 x 1103 |
| 500 x 700 | 503 x 703 |
| 550 x 700 | 553 x 703 |
| 550 x 900 | 553 x 903 |
| 550 x 1100 | 553 x 1103 |

**Hole fillet, mm - R70 for all sizes**
**Special sizes can be customized**
**When placing orders please let us know key specifications, including HxW & wall thickness**

## FEATURE & FUNCTIONS:

- Acrylic hollow double glazing, UV resistance, E-mark certified
- Powder coated high strength aluminum alloy frame
- Opening by sliding one side glazing
- Applicable wall thickness: 25-60 mm
- Wall-clipping installation with aluminum mounting frame, no need to drill on the vehicle
- Multiple kinds of blind to be selected
- Standard frame color of black, other colors to be customized

Product code: 3J-FW

| Specification, mm | Cut-out H x W, mm |
|---|---|
| 250 x 1000 | 253 x 1003 |
| 300 x 500 | 303 x 503 |
| 300 x 600 | 303 x 603 |
| 300 x 1100 | 303 x 1103 |
| 300 x 1300 | 303 x 1303 |
| 350 x 500 | 353 x 503 |
| 350 x 600 | 353 x 603 |
| 400 x 800 | 403 x 803 |
| 400 x 900 | 403 x 903 |
| 450 x 500 | 453 x 503 |
| 500 x 450 | 503 x 453 |
| 500 x 520 | 503 x 523 |
| 500 x 600 | 503 x 603 |
| 600 x 500 | 603 x 503 |
| 600 x 600 | 603 x 603 |

**Hole fillet, mm - R70 for all sizes**
**Special sizes can be customized**
**When placing orders please let us know key specifications, including HxW & wall thickness**



## FEATURE & FUNCTIONS:

- Extra-thick acrylic single glazing, UV resistance, E-mark certified
- Powder coated high strength aluminum alloy frame
- Applicable wall thickness: 25-60 mm
- Wall-clipping installation with aluminum mounting frame, no need to drill on the vehicle
- Multiple kinds of blind to be selected
- Standard frame color of black, other colors to be customized

RV fixed window

# RV double fixed window

Product code: 3J-DFW



## FEATURE & FUNCTIONS:

- Acrylic hollow double glazing, UV resistance, E-mark certified
- Powder coated high strength aluminum alloy frame
- Applicable wall thickness: 25-60 mm
- Wall-clipping installation with aluminum mounting frame, no need to drill on the vehicle
- Multiple kinds of blind to be selected
- Standard frame color of black, other colors to be customized

| Specification, mm | Cut-out H x W, mm |
|---|---|
| 300 x 500 | 303 x 503 |
| 300 x 700 | 303 x 703 |
| 300 x 1100 | 303 x 1103 |
| 350 x 500 | 353 x 503 |
| 350 x 600 | 353 x 603 |
| 350 x 1200 | 353 x 1203 |
| 350 x 1450 | 353 x 1453 |
| 400 x 700 | 403 x 703 |
| 400 x 1200 | 403 x 1203 |
| 450 x 500 | 453 x 503 |
| 450 x 610 | 453 x 613 |
| 450 x 700 | 453 x 703 |
| 450 x 800 | 453 x 803 |
| 450 x 900 | 453 x 903 |
| 450 x 1000 | 453 x 1003 |
| 450 x 1100 | 453 x 1103 |
| 500 x 300 | 503 x 303 |
| 500 x 350 | 503 x 353 |
| 500 x 450 | 503 x 453 |
| 500 x 520 | 503 x 523 |
| 500 x 800 | 503 x 803 |
| 500 x 900 | 503 x 903 |
| 500 x 1200 | 503 x 1203 |
| 520 x 500 | 523 x 503 |
| 520 x 900 | 523 x 903 |
| 550 x 700 | 553 x 703 |
| 550 x 900 | 553 x 903 |
| 550 x 1000 | 553 x 1003 |
| 550 x 1300 | 553 x 1303 |
| 550 x 1450 | 553 x 1453 |
| 600 x 350 | 603 x 353 |
| 600 x 600 | 603 x 603 |
| 610 x 450 | 613 x 453 |
| 700 x 400 | 703 x 403 |
| 700 x 550 | 703 x 553 |
| 800 x 450 | 803 x 453 |
| 800 x 700 | 803 x 703 |
| 800 x 1000 | 803 x 1003 |
| 800 x 1200 | 803 x 1203 |
| 900 x 500 | 903 x 503 |
| 900 x 900 | 903 x 903 |
| 950 x 1200 | 953 x 1203 |

**Hole fillet, mm - R70 for all sizes**
**Special sizes can be customized**
**When placing orders please let us know key specifications, including HxW & wall thickness**








## FEATURE & FUNCTIONS:

- High strength light aluminum alloy framework
- Acrylic glazing, lightweight and big vision area
- Anti-pinch function
- One push lifting and one push descending
- High strength aluminum alloy pleated blind, easy to install

| | |
|---|---|
| Product code: | 3J-MW |
| Specifications (H x W), mm | 728 x 546 / 1028 x 546 |

**When placing orders please let us know key specifications, including HxW & wall thickness**

RV lift window

# RV curved fixed window



## FEATURE & FUNCTIONS:

- Powder coated high strength aluminum alloy frame
- Extra-thick acrylic single glazing, UV resistance, E-mark certified
- Full blackout curved pleated blind
- Wall-clipping installation with aluminum mounting frame, no need to drill on the vehicle
- Standard frame color of white or black, other colors or sizes to be customized
- Radian of R1500, other radians to be customized



| Product code: | 3J-CRFW |
|---|---|
| Specifications (H x W), mm | 1010 x 765 |
| Cut-out (H x W), mm | 1010 x 765 (4-R70 mm) |

Product code: 3J-SFAW

| Specification, mm | Cut-out H x W, mm |
|---|---|
| 300 x 500 | 300 x 500 |
| 300 x 700 | 300 x 700 |
| 300 x 900 | 300 x 900 |
| 300 x 1100 | 300 x 1100 |
| 300 x 1200 | 300 x 1200 |
| 350 x 500 | 350 x 500 |
| 350 x 700 | 350 x 700 |
| 350 x 1200 | 350 x 1200 |
| 380 x 280 | 380 x 280 |
| 400 x 450 | 400 x 450 |
| 400 x 500 | 400 x 500 |
| 400 x 700 | 400 x 700 |
| 400 x 800 | 400 x 800 |
| 450 x 500 | 450 x 500 |
| 450 x 610 | 450 x 610 |
| 450 x 700 | 450 x 700 |
| 450 x 800 | 450 x 800 |
| 450 x 900 | 450 x 900 |
| 450 x 1100 | 450 x 1100 |
| 500 x 300 | 500 x 300 |
| 500 x 350 | 500 x 350 |
| 500 x 450 | 500 x 450 |
| 500 x 500 | 500 x 500 |
| 500 x 700 | 500 x 700 |
| 500 x 900 | 500 x 900 |
| 500 x 1000 | 500 x 1000 |
| 500 x 1200 | 500 x 1200 |
| 520 x 500 | 520 x 500 |
| 520 x 700 | 520 x 700 |
| 520 x 900 | 520 x 900 |
| 550 x 700 | 550 x 700 |
| 550 x 900 | 550 x 900 |
| 550 x 1100 | 550 x 1100 |
| 550 x 1450 | 550 x 1450 |
| 600 x 550 | 600 x 550 |
| 800 x 700 | 800 x 700 |
| 800 x 1000 | 800 x 1000 |
| 900 x 900 | 900 x 900 |

**Special sizes can be customized**
**When placing orders please let us know key specifications, including HxW & wall thickness**







## FEATURE & FUNCTIONS:

- Acrylic hollow double glazing with raised outside and flat inside surfaces, UV resistance, E-mark certified
- Powder coated high strength aluminum alloy frame
- Push-out opening to stay at multiple positions, optional different struts
- Wieldy handle, 2 closing positions
- Applicable wall thickness: 30-60 mm
- Wall-clipping installation, no need to drill on the vehicle
- Multiple kinds of blind to be selected
- Standard frame color of black, other colors to be customized

RV square flat acrylic window

# RV curved roof window











## FEATURE & FUNCTIONS:

- aluminum alloy hinge
- Special rubber seal around the cut-out for waterproof
- Push-out opening to stay at multiple positions
- Wieldy handle, 2 closing positions
- Acrylic hollow double glazing, UV resistance, E-mark certified
- High quality ABS inner shell
- Pull bar adjusting shade and fly screen simultaneously or separately

| Product code: | 3J-CRW |
|---|---|
| Specification, mm | 600 x 900 / 570 x 565 |
| Cut-out, mm | 600 x 900 / 570 x 565 (4R70-75 mm) |
| Overall dimensions outside, mm | 732 x 1265 / 695 x 927 |
| Overall dimensions inside, mm | 762 x 1065 / 723 x 728 |
| Suitable for roof thickness, mm | 30-31/35-36 / 30-31/35-36 |
| Suitable for roof radius, mm | R3500 / R2150 |

**When placing orders please let us know wall thickness**

## FEATURE & FUNCTIONS:

- Acrylic hollow double glazing with flat outside and raised inside surfaces, UV resistance, E-mark certified
- Powder coated high strength aluminum alloy frame
- Separate installation, with lower one of double glazing fixed window and upper one of double glazing push-out window
- Applicable wall thickness: 25-60 mm
- Wall-clipping installation with aluminum mounting frame, no need to drill on the vehicle
- Multiple kinds of blind to be selected
- Standard frame color of black, other colors to be customized



**3J-CFW**
**Floor-to-ceiling windows**



**3J-PBA**
**Aluminum alloy pleated curtain**

| Product code: | 3J-CFW |
|---|---|
| Upper window | 3J-EW |
| Below Window | 3J-DFW |
| Upper hole size, mm | 503 x 1203 (4-R70 mm) |
| Below hole size, mm | 953 x 1203 (4-R70 mm) |

**It can be matched to pleated blind with aluminum frame**

## RV combined french window




## FEATURE & FUNCTIONS:

- Powder coated aluminum frame
- Anodized aluminum alloy pull bar
- Integrated design of full blackout fabric and mosquito proof screening
- Blackout fabric and mosquito proof screening being pulled simultaneously after interlock or separately, and staying at any rail position
- Easy installation with screws hidden on 4 corners
- Standard sizes matching corresponding windows, or to be customized as per requirements






- Powder coated aluminum alloy frame and pull bar
- Integrated design of lull blackout fabric and top-grade mosquito proof screening
- Magnetic pull bar structure
- Easy installation with screws hidden on 4 corners
- Standard sizes matching corresponding windows, or lo be customized as perrequirements



Clip



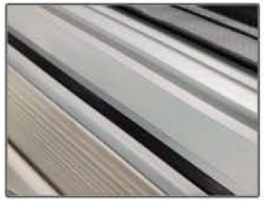
Magnet



Plastic joint angle



Plastic clip



aluminum magnetic pull rod

Product code: 3J-PB

| Product code | Product name | Frame material |
|---|---|---|
| 3J-PB | Pleated blind-clip | PVC |
| 3J-PBM | Pleated blind-magnetic | PVC |
| 3J-PBA1 | Pleated blind-aluminum-clamps | aluminum alloy |
| 3J-PBAM | Pleated blind-aluminum-magnetic | aluminum alloy |

## FEATURE & FUNCTIONS:

- PVC or aluminum alloy frame
- Anodized aluminum alloy pull bar
- Integrated design of pleated full blackout fabric and mosquito proof screening
- Pleated blackout fabric and mosquito proof screening being pulled simultaneously after interlock or separately, and staying at any rail position
- Plastic clip or magnetic strip for interlock
- Easy installation with screws hidden on 4 corners
- Standard sizes matching corresponding windows, or to be customized as per requirements



3J-PBA

## FEATURE & FUNCTIONS:

- Aluminium alloy frame
- Anodized aluminium alloy pull bar
- Integrated design of pleated full blackout fabric and mosquito proof screening
- Pleated blackout fabric and mosquito proof screening being pulled simultaneously after interlock or separately, and staying at any rail position
- Plastic clip or magnetic strip for interlock
- Easy inslallalion with screws hidden on 4 corners
- Standard sizes matching corresponding windows, or to be customized as per requirements



Plastic joint angle



Plastic clip







RV toilet

## FEATURE & FUNCTIONS:

- The whole product mainly employs light-weight PP material, built-in bowl adopts special technology and has prellush function, making it water-conservative and apt to be cleaned
- The bowl can be rotated 90˚ degrees to the left or right, which is flexible for usage
- The toilet lid and seat are made or special materials, having antibacterial function
- The toilet lid has a magnetic mechanism to eliminate shaking and a slow-closing structure to reduce noise
- Detection of black water tank's in-position prevents flush from maloperating
- The product can bear a maximum load of 120 kg
- The product is not connected to a central sewerage pipe, instead there is a built-in waste collection device, when it is full, the red light on the control panel will be prompted, indicating that black water tank has to be emptied. In addition there is also an alarming for waste empty and flushing is to be delayed to prevent overflowing
- The black water tank is to be withdrawn from outside of the RV, there is a special venting device exhausting unpleasant odors out of the vehicle
- There are a pull rod and wheels on the black water tank for easy moving
- Between the black water tank and the bowl, there are high-gloss PBT blade and sealing rings, whose excellent properties can block liquid leakage and odor spread effectively
- Easy replacement of vulnerable parts

| Product code: | 3J-W5000 |
|---|---|
| The main dimensions, mm | 577 x 370 x 538 |
| The dimensions of cover open, mm | 577 x 370 x 838 |
| The dimensions of bowl rotation, mm | 528 x 408 x 538 |
| Holding tank volume (L) | 17,2 |








## FEATURE & FUNCTIONS:

- **Seat temperature.** Press the button, the seat will be heated. There are 2 conditions, 36,6 ˚C or off. Hit the button, with buzzing and the indicator on, the heating starts to work. Hit the button again, with buzzing and the indicator off, the heating stops
- **Cold scald proof.** When being seated, the heating is turned off automatically to prevent cold scald. After the seat is vacant, temperature of the seat will be restored to designated point
- **Auto standby.** After 3 minutes of no operation or no usage, it will switch to auto standby to reduce power
- **Easy to install and change.** With quick fix structure, the set of lid and seat can be disassembled for cleaning or changing parts at any time
- **Footproofness.** Waster water is designed not to be able to fill up the tank and overflow

| Product code: | 3J-W5000H |
|---|---|
| The main dimensions, mm | 577 x 370 x 538 |
| The dimensions of cover open, mm | 577 x 370 x 877 |
| The dimensions of bowl rotation, mm | 528 x 433 x 538 |
| Holding tank volume (L) | 17,2 |
| Comments | Heating function model |



## FEATURE & FUNCTIONS:

- The whole product mainly employs light-weight PP material, built-in bowl adopts special technology and has prellush function, making it water-conservative and apt to be cleaned
- Bench shape design, can be seated in a shower
- The toilet lid and seat are made or special materials, having antibacterial function
- The toilet lid has a magnetic mechanism to eliminate shaking and a slow-closing structure to reduce noise
- Detection of black water tank's in-position prevents flush from maloperating
- The product can bear a maximum load of 120 kg
- The product is not connected to a central sewerage pipe, instead there is a built-in waste collection device, when it is full, the red light on the control panel will be prompted, indicating that black water tank has to be emptied. In addition there is also an alarming for waste empty and flushing is to be delayed to prevent overflowing
- The black water tank is to be withdrawn from outside of the RV, there is a special venting device exhausting unpleasant odors out of the vehicle
- There are a pull rod and wheels on the black water tank for easy moving
- Between the black water tank and the bowl, there are high-gloss PBT blade and sealing rings, whose excellent properties can block liquid leakage and odor spread effectively
- The black water tank has a big volume for more usages

RV toilet

| Product code: | 3J-WS001 (14/15) |
|---|---|
| The main dimensions, mm | 670 x 405 x 522 |
| The dimensions of cover open, mm | 670 x 405 x 859,5 |
| Holding tank volume (L) | 20 |





## FEATURE & FUNCTIONS:

- Built-in fresh water tank, not taking up vehicle water resources
- Built-in pump, other water usage not affecting flushing
- Water lever indicator, displaying the rest water volume
- Equipped with water inlet, easily filling through rotatable filler from vehicle exterior
- Drainage structure for the fresh water tank, cleaning up residue water inside the tank with ease from vehicle exterior



| Product code: | 3J-W5001 (16/17) |
|---|---|
| The main dimensions L x W x H, mm | 670 x 405 x 522 |
| The dimensions of cover open, mm | 670 x 405 x 859,5 |
| Holding tank volume (L) | 20 |
| Built-in water tank volume (L) | 14,4 |




3J-W5000SHT




3J-W5000HST-C

## FEATURE & FUNCTIONS:

- Employing high strength ABS covered acrylic plate
- Glossy and flat appearance
- Unique anti-slip and water guiding design
- Proof of humidity, coldness, hotness and aging
- Perfectly matching toilet and storage cabinet, easy to install, quite reliable and durable

- Employing high strength ABS covered acrylic plate
- Glossy and flat appearance
- Integrally-formed unique anti-slip and water guiding design
- Proof of humidity, coldness, hotness and aging
- Perfectly matching toilet and storage cabinet, easy to install, quite reliable and durable

| Product code | The main dimensions L X W, mm | Space for toilet L x W, mm |
|---|---|---|
| W50001 | 670 x 590 | 670 x 405 |
| W5000SHT | 675 x 552 | 514 x 372 |
| W5000SHT-C | 1100 x 800 | 514 x 372 |
| W5000SHT-C | 800 x 700 L/R | 514 x 372 |

## Toilet base A+B and C

# RV toilet cubicle





## FEATURE & FUNCTIONS:

- Employing high strength ABS covered acrylic plate
- Glossy and flat appearance
- Unique anti-slip and water guiding design, service port allocated
- Proof of humidity, coldness, hotness and aging
- Perfectly integrating floor, toilet and storage cabinet, easy to install, quite reliable and durable

| Product code: | W5000HST-D |
|---|---|
| The main dimensions L x W, mm | 982 x 932 |
| Space for toilet L x W, mm | 514 x 372 |
| Space for storage cabinet L x W x H, mm | 333 x 333 x 792 |



3J-W5002-S



3J-W5002-L

## FEATURE & FUNCTIONS:

- Applicable in RV, hospital, yacht, outdoors and household
- Convenient and simple-no demand of installation
- Removable an portable-pulling rod and wheels on the waste water tank to move easily (only for L model)
- Isolating of odors-sealing ring and high-gloss PBT blade to guarantee leakproofness
- Built-in water tank-handy flush
- Environmental and hygienic-toilet seat and lid made of anti-bacterial material
- Firm and durable - 200 kg of maximum bearing
- Easy to clean-degradation liquid to be used for decomposing excrement, one cleaning every 5 days, no odor

| Product code: | 3J-W5002 |
|---|---|
| The main dimensions L x W x H, mm | 442 x 362 x 423 / 442 x 362 x 343 |
| Net weight, kg | 5,3 / 4,3 |
| Holding tank volume (L) | 20 / 12 |
| Water tank volume (L) | 14 |

# RV children's Smart toilet















| Product code: | 3J-CST-U1 |
|---|---|
| The main dimensions, mm | 370 x 320 x 260 |
| Voltage | DC12V |
| Power | 70W |
| Battery rated capacity | 2600mAh |
| Net weight, kg | 4,8 |

## FEATURE & FUNCTIONS:

- Suitable for RV, hospitals, yachts, outdoors, households
- Convenient and easy. No Installation required
- The Potty Training Toilet
- Isolated odors. Mobile portable
- Smart Suction Bag Change System & Heightened. Splash Guard Design
- Long-Life Battery & Biodegradable Garbage Bags
- Comes with a box of coagulant can quickly keep the toilet dry, and No water clean needed and no pollution
- Easy to clean. Airtight packing

## FEATURE & FUNCTIONS:

- Aerodynamic shape
- Fast and firm lock and unlock structure
- Anodized aluminium push rod
- Mood lighting with adjustable brightness
- Acrylic hollow double glazing, UV resistance
- Standard cut-out sizes
- With pleated blind and flyscreen, have magnetic function
- 2 opening positions for the lid
- Wall-clipping installation



3J-RW-2(400x400)



3J-RW-2(400x400V)



| | |
|---|---|
| Cut-ot size, mm | 402 x 402 |
| Height above the roof (close), mm | 120 |
| Height above the roof (open), mm | 410 |
| Installation thickness, mm | 28-50 |
| Power | DC 12V |



| Product code: | 3J-RW-2 |
|---|---|
| Product code | 3J-RW-2 (400 x 400) / 3J-RW-2 (400 x 400V) |
| Ventilation area | - / ~100 $cm^2$ |
| Lid color | Clear grey or clear black |
| Curtain frame color | Cream (Clear grey), White (Clear black) |
| Ambient light | Ice blue/warm yellow (Cream) / Nature white/not include (White) |

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# RV roof window



## FEATURE & FUNCTIONS:

- Pushing out with aluminium pull rod and supporting with gas struts
- Acrylic hollow double glazing, UV resistance, E-mark certified
- ASA plastic injection frame for both inner and outer shells, color on request
- Maximum opening angle: 60°
- Magnetic pull bar on the blinds adjusting shade and mosquito screen simultaneously or separately
- 12V DC LED lights, optional cold or warm type
- Wall-clipping installation

| Product code: | 3J-RW |
|---|---|
| Product code | 400 x 450V / 500 x 700 / 500 x 700V |
| Overall size (inner shell), mm | 525 x 525 / 580 x 780 / 580 x 780 |
| Cut-out size, mm | 402 x 452 / 502 x 702 / 502 x 702 |
| R angle, mm | R15 / R50 / R50 |
| Wall thickness, mm | 25-60 mm |
| Description | LED |





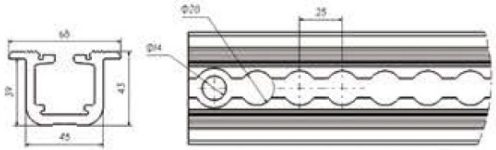


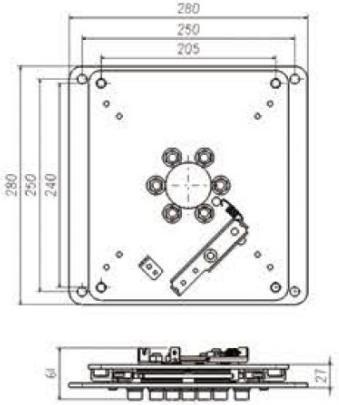
**Note. "V" in 500 x 700V means different inner frame have permanent ventilation.**

## FEATURE & FUNCTIONS:

- Aluminium alloy slide rail use extrusion and drilling process, can be customized to any length
- Turntable can rotate 360°, 90° each gear, attachment bracket can be customized
- This production has passed Chinese M 1 test. Report No. QW223636P0003-1






3J-ST-01



RV long sliding rail and turnable ASSY

# RV turbo vent



3J-V28



3J-VL32

## FEATURE & FUNCTIONS:

- Use high quality materials.UV resistant
- Work as a ventilator and extractor
- Ideal for shower and sanitation areas
- The cover can be opened and closed manually
- Supplied with anti-mosquito screen
- Maximum opening angle: 50˚
- Wall-clipping installation
- Transparent or White top cover color

| Product code: | 3J-V28 / 3J-VL32 |
|---|---|
| Specific dimensions L x W, mm | 280 x 280 / 320 x 320 |
| Cut-out H x W, mm | 280 x 280 / 320 x 320 |
| Overall size (outer shell), mm | 358 x 363 / 398 x 403 |
| Overall size (inner shell), mm | 320,5 x 320,5 / 410,5 x 410,5 |
| Installation thickness, mm | 28-80 mm |
| Weight, kg | 2,19 / 2,8 |
| Voltage | 12DC |
| Power, W | 4 / 6 |
| Note | No LED / with LED |

Rear single seat




3J-SS-02

## FEATURE & FUNCTIONS:

- This production has passed Chinese M1 test.
- Report No. QA20431LGA241, QA20441LGA241
- Seat back is adjustable. Armrests and turntable are optional. It has ISOFIX latch
- Seat underframe can be custom-made
- according to customer's requirement

Rear double seat




3J-DS-02

- This production has passed Chinese M1 test.
- Report No. QA20431LGA541, QA20441 LGA541
- Seat back lay flat to become part of a bed.
- Armrests are optional. It has ISOFIX latch
- Seat underframe can be custom-made according to customer's requirement

Rear single seat




3J-SS-01

Rear double seat




3J-DS-01

## FEATURE & FUNCTIONS:

- This production has passed Chinese M1 test.
- Report No. QA20431LGA921, QA20441LGA921
- Seat back lay flat to become part of a bed. Armrests and turntable are optional
- It has ISOFIX latch
- Seat underframe can be custom-made according to customer's requirement

- This production has passed Chinese M1 test.
- Report No. QA20431LGA911, QA20441 LGA911
- Seat back lay flat to become part of a bed. Armrests are optional.
- It has ISOFIX latch
- Seat underframe can be custom-made according to customer's requirement

Rear single seat




3J-SS-04(L)/05(R)

Rear double seat




3J-DS-04

## FEATURE & FUNCTIONS:

- This production has passed European Union test. Report No. QW230943P0001-1y
- Seat back lay flat to become part of a b ed. It has ISOFIX latch
- Seat underframe can be custom-made according to customer's requirement.

- This production has passed Chinese M1 test. Report No. QA20431 LGA641, QA20441LGA641
- Seat back lay flat to become part of a bed.
- Seat back is divided into 40% and 60% parts. It has ISOFIX latch
- Seat underframe can be custom-made according to customer's requirement

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# RV seat

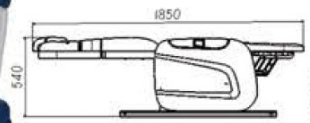


Rear single seat

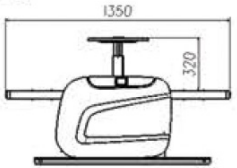
3J-SS-03



Rear double seat




Bed mode




Both mode

3J-DS-03

## FEATURE & FUNCTIONS:

- 12V DC electric six-way adjustment
- Ventilation, heating, massage modules are optional. Manual turntable is optional
- It has ISOFIX latch
- This production has passed European Union test. Report No. QW230425P0001-1y
- The back and cushion are interchangeable
- It has ISOFIX latch. Pneumatic armrests and manual leg-rests are optional
- The seat cover is removable
- Pneumatic lift handrail
- Seat underframe can be custom-made aocording to customer's requirement

Rear double seat




3J-DS-07

Rear double seat




3J-DS-08

## FEATURE & FUNCTIONS:

- This production has passed European Union test. Report No. QW230943P0001-1y
- Seat back lay flat to become part of a bed. It has ISOFIX latch
- Seat underframe can be custom-made according to customer's requirement
- Seat back lay fiat lo become part of a bed. Armrests are optional. It has ISOFIX latch
- Seat underframe can be custom-made according to customers requirement

Rear double seat




3J-DS-05

## FEATURE & FUNCTIONS:

- This production has passed Chinese M1 test. Report No. QA20431 LGA641, QA20441 LGA641
- Seat back lay flat to become part of a bed. Seat back is divided into 40% and 60% parts. It has ISOFIX latch
- Seat underframe can be custom-made according to customer's requirement

Rear double seat




3J-DS-06

- This production has passed European Union test. Report No. QW223849P0001-1y
- Seat back lay flat to become part of a bed. It has ISOFIX latch
- Seat underframe can be custom-made according to customer's requirement

| | Product code: | SVR 50L | SVR 85L |
|---|---|---|---|
| Dimensions | Depth, mm | 490 | 545 |
| | Height, mm | 530 | 630 |
| | Width, mm | 380 | 475 |
| | Net weight, kg | 16,8 | 21,0 |
| | Total volume, L | 46,5 | 80,0 |
| | Refrigerator volume, L | 42 | 72 |
| | Freezer volume, L | 4,5 | 8 |
| Electrical | Input voltage (DC), V | DC12 / DC24 | DC12 / DC24 |
| | Rated input current (DC), A | 5,0 / 2,6 | 5,5 / 2,8 |
| | Rated input power (DC), W | 40 | 48 |
| Performance | Refrigerant type | R 134a or R 1234yt or R600a | R 134a or R 1234yt or R600a |
| | Cooling temperature range | | |
| | Refrigerator | 0˚C ~ 10˚C | 0˚C ~ 10˚C |
| | Freezer | -18˚C (@32˚C) | -18˚C (@32˚C) |
| | Climatic class | N or T | N or T |
| | Insulating | C5H10 | C5H10 |
| Additional | Certificates | CE, Emark, RCM | CE, Emark, RCM |
| | Interior light | Yes | Yes |
| | Hinge type | Left or right | Left or right |





| | Product code: | SVR 50L-A | SVR 85L-A |
|---|---|---|---|
| Dimensions | Depth, mm | 490 | 545 |
| | Height, mm | 530 | 630 |
| | Width, mm | 380 | 475 |
| | Net weight, kg | 16,8 | 21,0 |
| | Total volume, L | 48 | 82,5 |
| Electrical | | | |
| | Input voltage (DC), V | DC12 / DC24 | DC12 / DC24 |
| | Rated input current (DC), A | 5,0 / 2,6 | 5,6 / 2,8 |
| | Rated input power (DC), W | 40 | 48 |
| Performance | | | |
| | Refrigerant type | R 134a or R 1234yt | R 134a or R 1234yt |
| | Cooling temperature range | -15˚C - 12˚C | -15˚C - 12˚C |
| | Climatic class | N or T | N or T |
| | Insulating | C5H10 | C5H10 |
| Additional | | | |
| | Certificates | CE, Emark, RCM | CE, Emark, RCM |
| | Interior light | Yes | Yes |
| | Hinge type | Left or right | Left or right |



**Full frozen series refrigerators**





Compressor RCE 140L refrigerator



Compressor RCE170L refrigerator

| | Product code: | RCE 14DL | RCE 170L |
|---|---|---|---|
| Dimensions | Depth, mm | 495 | 495 |
| | Height, mm | 1265 | 1465 |
| | Width, mm | 520 | 520 |
| | Net weight, kg | 32,5 | 34,5 |
| | Total volume, L | 14,1 | 17,1 |
| | Refrigerator volume, L | 113 | 113 |
| | Freezer volume, L | 28 | 58 |
| Electrical | Input voltage (DC), V | DC12 / DC24 | DC12 / DC24 |
| | Input current, A | 5,6 / 2,6 | 5,6 / 2,6 |
| | Rated input power (DC), W | 62 | 62 |
| Performance | Refrigerant type | R 134a or R 1234YF or R290a or R600a | R 134a or R 1234YF or R290a or R600a |
| | Cooling temperature range | | |
| | Refrigerator | 2˚C ~ 12˚C | 2˚C ~ 12˚C |
| | Freezer | -18˚C (@32˚C) | -18˚C (@32˚C) |
| | Climatic class | N or T | N or T |
| | Insulating | C5H10 | C5H10 |
| Additional | Certificates | CE, Emark, LVD, RCM | CE, Emark, LVD, RCM |
| | Interior light | Yes | Yes |
| | Hinge type | Left or right | Left or right |

# RV refrigerators



Compressor RCN90L refrigerator



Compressor RCN 150L refrigerator

| | Product code: | RCN90L | RCN150L |
|---|---|---|---|
| Dimensions | Depth, mm | 480 | 560 |
| | Height, mm | 965 | 1498 |
| | Width, mm | 418 | 418 |
| | Net weight, kg | 20,5 | 33,4 |
| | Total volume, L | 75 | 148 |
| | Refrigerator volume, L | 60 | 122 |
| | Freezer volume, L | 15 | 26 |
| Electrical | Input voltage (DC), V | DC12 / DC24 | DC12 / DC24 |
| | Rated input current (DC), A | 4,08 / 1,8 | 5,6 / 2,6 |
| | Rated input power (DC), W | 48 | 65 |
| Performance | Refrigerant type | R 134a or R 1234YF or R290a or R600a | R 134a or R 1234YF or R290a or R600a |
| | Cooling temperature range | | |
| | Refrigerator | 0˚C ~ 10˚C | 0˚C ~ 10˚C |
| | Freezer | -18˚C (@32˚C) | -18˚C (@32˚C) |
| | Climatic class | N or T | N or T |
| | Insulating | C5H10 | C5H10 |
| Additional | Certificates | CE, Emark, RCM | CE, Emark, RCM |
| | Interior light | Yes | Yes |
| | Hinge type | Left or right | Left or right |



Absorption RAE142L refrigerator



Absorption RAE 160L refrigerator

| | Product code: | RAE 142L Dual-opening door | RAE 160L |
|---|---|---|---|
| Dimensions | Depth, mm | 567 | 560 |
| | Height, mm | 1508 | 1250 |
| | Width, mm | 418 | 520 |
| | Net weight, kg | 42 | 43,5 |
| | Total volume, L | 141 | 144 |
| | Refrigerator volume, L | 116 | 116 |
| | Freezer volume, L | 25 | 28 |
| Electrical | Input voltage (AC), V | 220 / 120 / 240 | 120 / 240 / 220 |
| | Rated input current (AC), A | 1,2 / 2,1 / 1,1 | 2,1 / 1,1 / 1,2 |
| | Rated input power (DC), W | 250 | 250 |
| | Input frequency, Hz | 50/60 | 50/60 |
| | Input voltage (DC), V | 12 | 12 |
| | Rated input current (DC), A | 17 | 17 |
| | Rated input power (DC), W | 205 | 205 |
| Performance | Refrigerant type | R717 | R717 |
| | Power consumption on gas, W | 350 | 350 |
| | Gas pressure (imperial), Pa | 2,75 | 2,75 |
| Additional | Certificates | CE, CSA, AGA | CE, CSA, AGA |
| | Interior light | Yes | Yes |
| | Hinge type | Dual-opening door | Left or right |

# RV refrigerators



Absorption RAE90L refrigerator



Absorption RAE 180L refrigerator

| | Product code: | RAE90L | RAE180L |
|---|---|---|---|
| Dimensions | Depth, mm | 590 | 612 |
| | Height, mm | 755 | 1355 |
| | Width, mm | 510 | 593 |
| | Net weight, kg | 31 | 61 |
| | Total volume, L | 90 | 175 |
| | Refrigerator volume, L | 80 | 130 |
| | Freezer volume, L | 10 | 45 |
| Electrical | Input voltage (AC), V | 220 / 120 / 240 | 120 / 240 / 220 |
| | Rated input current (AC), A | 0,8 / 1,46 / 0,72 | 3 / 1,5 / 1,48 |
| | Rated input power (DC), W | 175 | 325 |
| | Input frequency, Hz | 50/60 | 50/60 |
| | Input voltage (DC), V | 12 | 12 |
| | Rated input current (DC), A | 15 | 23 |
| | Rated input power (DC), W | 175 | 275 |
| Performance | Refrigerant type | R717 | R717 |
| | Power consumption on gas, W | 268 | 435 |
| | Gas pressure (imperial), Pa | 2,75 | 2,75 |
| Additional | Certificates | CE, CSA, AGA | CE, CSA, AGA |
| | Interior light | Yes | Yes |
| | Hinge type | Left or right | Left or right |



**Series fridges with both freezer and refrigerator**



| | Product code: | BD 70L | BCD 148L |
|---|---|---|---|
| Dimensions | Depth, mm | 540 | 540 |
| | Height, mm | 750 | 1498,5 |
| | Width, mm | 430 | 430 |
| | Net weight, kg | 28 | 39 |
| | Total volume, L | 68 | 148 |
| | Refrigerator volume, L | - | 80 |
| | Freezer volume, L | 68 | 68 |
| Electrical | Input voltage (DC), V | DC12 / DC24 | DC12 / DC24 |
| | Rated input current (DC), A | 6 / 3 | 6 / 3 |
| | Rated input power (DC), W | 72 | 72 |
| Performance | Refrigerant type | R600a/25g | R600a/32g |
| | Cooling temperature range | | |
| | Refrigerator | | 0°C - 10°C |
| | Freezer | -18°C ( @ 32°C) | -18°C ( @ 32°C) |
| | Climatic class | N or T | N or T |
| | Insulating | C5H10 | C5H10 |
| Additional | Certificates | CE, EMC, Emark, RCM | CE, EMC, Emark, RCM |
| | Interior light | No | Yes |
| | Hinge type | Drawer model without hinges | Dual-opening |



Series fridges with both freezer and refrigerator



| | Product code: | BCD 50L | BCD 85L |
|---|---|---|---|
| Dimensions | Depth, mm | 500 | 555 |
| | Height, mm | 535 | 635 |
| | Width, mm | 380 | 475 |
| | Net weight, kg | 16,6 | 22 |
| | Total volume, L | 44 | 83 |
| Electrical | Input voltage (DC), V | DC12 / DC24 | DC12 / DC24 |
| | Rated input current (DC), A | 5,0 / 2,5 | 5,5 / 2,75 |
| | Rated input power (DC), W | 60 | 66 |
| Performance | Refrigerant type | R600a /14g | R600a /16g |
| | T inside refrigerator | 0˚C ~ 8˚C | 0˚C ~ 8˚C |
| | Climatic class | N or T | N or T |
| | Insulating | C5H10 | C5H10 |
| Additional | Certificates | CE, EMC, Emark, RCM | CE, EMC, Emark, RCM |
| | Interior light | Yes | Yes |
| | Hinge type | Left or right | Left or right |



All-season double-door fridge



| | Product code: | PG11 |
|---|---|---|
| Dimensions | Depth, mm | 600 |
| | Height, mm | 340 |
| | Width, mm | 220 |
| | Net weight, kg | 8,5 |
| | Total volume, L | 11 |
| | Load-bearing of the sliding rails, kg | ≤25 |
| | Sliding range, mm | 250 |
| Electrical | Working voltage (DC), V | 12 |
| | Rated input power, W | 45 |
| Performance | Heating temperature | 50˚C |
| | Cooling range | -6˚C ~ 6˚C |
| | Ambient temperature | N |
| | Storage temperature | -25˚C ~ 70˚C |
| | Noise | 45db |
| | Refrigerating method | Compressor |

# RV rooftop air conditioner




| Product code: | 3J-KFR3200-R |
|---|---|
| Product No. | 30208-0004 |
| Size of outdoor unit, mm | 996 x 728 x 239 |
| Size of indoor unit, mm | 560 x 478 x 55 |
| Input voltage, V/Hz | 220-240/50 |
| Rated cooling capacity, W | 3180 |
| Rated heating capacity, W | 3180 |
| Cooling input power, W | 1350 |
| Heating input power, W | 1214 |
| Packing size, mm | 995 x 746 x 289 |
| Net weight, kg | 37 |
| Gross weight, kg | 42 |
| Certificate | CE, CB, EPCS, EMARK, RCM |

## FEATURE & FUNCTIONS:

- Environmental R410A refrigerant
- Optimized cooling system to achieve the best effect
- Optional 360 x 360 or 400 x 400 mounting frames
- Fast-cooling function on the inside unit panel, multidimensional adjustment on the cooling air
- Filter being easy to remove or clean
- Ultra-thin structure with the height on the vehicle roof lower than 240 mm, to eliminate the trouble of over height

## FEATURE & FUNCTIONS:

- Hidden installation of inside storage compartment or under bed to make full use of room inside a vehicle
- EPP outer shell to reduce noise and weight
- Duct of 2,5 inches to transport cold or warm air flexibly to specified places
- On-wall digital LC control and wireless remote control
- Environmental R41 0A refrigerant
- Stainless steel filter, convenient for clean and durable
- PTC and heat pump to ensure good heating property in low temperature ambient
- Accurate 1:1 cut-out drawings attached, multiple fixing methods to be selected

| Product code: | 3J-KCRD2200-U | 3J-KCR2200-U |
|---|---|---|
| Product No. | 30208-0002 | 30208-0008 |
| Size, mm | 760 x 395 x 290 | 760 x 395 x 290 |
| Input voltage, V/Hz | 220-240/50 | 115-120/60 |
| Rated cooling capacity, W | 2200 | 2800 |
| Rated heating capacity, W | 2700 | 3400 |
| Cooling input power, W | 990 | 1000 |
| Heating input power, W | 1100 | 940 |
| Packing size, mm | 804 x 460 x 357 | 804 x 460 x 357 |
| Net weight, kg | 25 | 25 |
| Gross weight, kg | 30,8 | 30,8 |
| Certificate | CE | UL |













RV underbunk air conditioner

AUTO ELITE
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# Portable tent air conditioner







## FEATURE & FUNCTIONS:

- No need to wait for a long time, 15 seconds ultra-fast refrigeration
- Frequency conversion "strong heart" , imported
- Panasonic compressor
- Long battery life, only 1 kwh in 7 hours
- The cold and hot cycles are separated, which has good refrigeration effect and saves electricity
- Intelligent touch LED display screen, mode/switch/wind speed/temperature nse information at a glance
- Super mute, the noise value is less than 45dB
- Third-speed wind speed makes you feel more comfortable

| Product code: | 3J-KC700 |
|---|---|
| Outdoor unit size, mm | 585 x 230 x 337 |
| Power supply, V | DC 24V / 220V |
| Rated refrigerating capacity, W | 700 |
| Refrigeration current, A | 10 |
| Refrigeration area, $m^2$ | 4-6 |
| Refrigerant | R134a |
| Packing size, mm | 645 x 320 x 490 |
| Net weight, kg | 10,5 |
| Gross weight, kg | 12,2 |
| Air conditioning form | Integrated |
| Color | White/Yellow |






## FEATURE & FUNCTIONS:

- Twin rotary inverter compressor
- Ultra-compact and lightweight design
- Streamlined shape design, beautiful and low resistance
- High refrigeration capacity and high COP
- Two-way or four-way efficient airflow distribution
- Anti-corrosion material, waterproof and durable, smooth drainage
- The product is suitable for the selection of 400 x 400mm mounting frame
- Filter Netease easy to disassemble, easy to clean
- Ultra-thin body design, the height of the whole machine does not exceed 225 mm

| Product code: | 3J-KFR2200-R |
|---|---|
| Size of outdoor unit, mm | 795 x 560 x 225 |
| Size of indoor unit, mm | 528 x 468 x 50 |
| Power supply, V/Hz | AC 220-240/50 |
| Rated refrigerating capacity, W | 2200 |
| Rated heating capacity, W | 2400 |
| Refrigeration input power, W | 930 |
| Heating input power, W | 850 |
| Packing size for outdoor unit, mm | 838 x 528 x 290 |
| Packing size for intdoor unit, mm | 628 x 528 x 168 |
| Net weight, kg | 29 |
| Gross weight, kg | 32 |





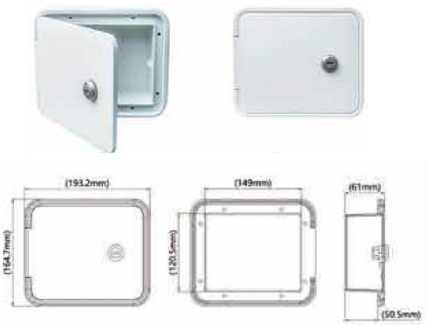
RV rooftop variable frequency air conditioner

# RV service hatch




- Made of excellent ASA material with UV resistance property
- Lock and keys attached
- Durable, anti-impact and lade resistance

| Product code: | 3J-ESB |
|---|---|
| Product name | Exterior Shower Box |
| Color | White / Black |




- Made of excellent ASA material with UV resistance property
- Lock and keys attached
- Durable, anti-impact and lade resistance
- Air vent for fast water fill

| Product code: | 3J-PH |
|---|---|
| Product name | Plastic Hatch |
| Color | White |




- Made of excellent ASA material with UV resistance property
- Lock and keys attached
- Durable, anti-impact and lade resistance
- Air vent for fast water fill

| Product code: | 3J-WI |
|---|---|
| Product name | Water inlet |
| Color | White |

## FEATURE & FUNCTIONS:

- High quality ASA material with UV resistance
- Color can be customized
- The hole position has been reserved, direct self-tapping screw installation is very easy
- It is suitable lor the places in vehicles where ventilation is needed, such as refitted vehicles, recreational vehicles, special vehicles and so on
- It matches with RV refrigerators



3J-FV1000



3J-FV2000



3J-FV3000

| Product code: | 3J-FV1000 / 3J-FV2000 / 3J-FV3000 |
|---|---|
| Size L x W x H, mm | 451 x 156 x 42 / 490 x 250 x 42 / 490 x 250 x 58 |
| Cut-out H x W, mm | 451 x 156 / 490 x 250 / 490 x 250 |
| Overall dimensions L x W x H, mm | 480 x 185 x 42 / 518 x 278 x 42/ 518 x 278 x 58 |
| Hole fillet, mm | R5 |

AUTO ELITE
CAR SERVICE

# RV camping tent



| Product code: | 3J-Tent-02 |
|---|---|
| Product name | Hexagonal tent |
| Color | Grey |
| Material | 190T Polyester & 210D Oxford |
| Accommodation | 3 persons |
| Unfold sizes, cm | 270 x 270 x 155 |
| Folded sizes, cm | Ø20 x 78 |
| Net weight, kg | ~ 2 |



| Product code: | 3J-Tent-01 |
|---|---|
| Product name | Two pole boat tent |
| Color | Yellow & Brown |
| Material | 190T Polyester & 210D Oxford |
| Accommodation | 2 persons |
| Unfold sizes, cm | 245 x 150 x 105 |
| Folded sizes, cm | 80 x 80 x 8 |
| Net weight, kg | ~ 2 |



| Product code: | 3J-MC-06 |
|---|---|
| Product name | Moon chair |
| Color | Green |
| Material | 600D Oxford & Carbon Steel Pipe |
| Maximum bearing, kg | 150 |
| Unfold sizes, cm | 54 x 60 x 64,5 |
| Folded sizes, cm | 16,5 x 16,5 x 67 |
| Net weight, kg | ~ 2,5 |




| Product code: | 3J-KC-01 |
|---|---|
| Product name | Kermit chair |
| Color | Yellow |
| Material | 400 x 300D Oxford & Carbon Steel Pipe |
| Maximum bearing, kg | 100 |
| Unfold sizes, cm | 66 x 54 x 78 |
| Folded sizes, cm | 54 x 9,5 x 75 |
| Net weight, kg | ~ 3,8 |




| Product code: | 3J-FC-01 |
|---|---|
| Product name | Fishing chair |
| Color | Cream & black |
| Material | 400 x 400D Oxford & Aluminum alloy |
| Maximum bearing, kg | 200 |
| Unfold sizes, cm | 66 x 64 x 95 |
| Folded sizes, cm | 30 x 21 x 90 |
| Net weight, kg | ~ 5,4 |



| Product code: | 3J-MC-03 |
|---|---|
| Product name | Moon chair |
| Color | Off-white |
| Material | 400 x 300D Oxford & Carbon Steel Pipe |
| Maximum bearing, kg | 150 |
| Unfold sizes, cm | 54 x 60 x 64,5 |
| Folded sizes, cm | 16,5 x 16,5 x 67 |
| Net weight, kg | ~ 1,7 |



| Product code: | 3J-MC-04 |
|---|---|
| Product name | Moon chair |
| Color | Off-white |
| Material | 400 x 300D Oxford & Carbon Steel Pipe |
| Maximum bearing, kg | 150 |
| Unfold sizes, cm | 54 x 60 x 64,5 |
| Folded sizes, cm | 16,7 x 16,7 x 67 |
| Net weight, kg | ~ 1,8 |



| Product code: | 3J-MC-05 |
|---|---|
| Product name | Moon chair |
| Color | Pink & Blue |
| Material | 400 x 300D Oxford & Carbon Steel Pipe |
| Maximum bearing, kg | 150 |
| Unfold sizes, cm | 54 x 60 x 64,5 |
| Folded sizes, cm | 16,5 x 16,5 x 67 |
| Net weight, kg | ~ 2,2 |




| Product code: | 3J-FC-02 |
|---|---|
| Product name | Fishing chair |
| Color | Cream & black |
| Material | 400 x 400D Oxford & Carbon Steel Pipe |
| Maximum bearing, kg | 200 |
| Unfold sizes, cm | 63 x 60,5 x 89 |
| Folded sizes, cm | 32 x 24 x 103 |
| Net weight, kg | ~ 5,5 |



| Product code: | 3J-OAFT-01 |
|---|---|
| Product name | Aluminum Folding |
| Color | Black |
| Material | Aluminum alloy |
| Maximum bearing, kg | 50 |
| Unfold sizes, cm | 68 x 47 x 40 |
| Folded sizes, cm | 20 x 7 x 71,5 |
| Net weight, kg | ~ 1,6 |



| Product code: | 3J-FT-01 |
|---|---|
| Product name | Folding trolley |
| Color | Off-white |
| Material | 500 x 300D Oxford & Carbon Steel Pipe |
| Maximum bearing, kg | 300 |
| Unfold sizes, cm | 103 x 55 x 72-108 |
| Folded sizes, cm | 36 x 26 x 65 |
| Net weight, kg | ~ 12,3 |





| Product code: | 3J-OCC |
|---|---|
| Product name | Camping Cot |
| Color | Black |
| Material | Polyester oxford |
| Bracket | 7075 aluminum alloy |
| Size, cm | 190 x 65 x 38 |
| Folded sizes, cm | Ø19 x 25 |
| Weight, kg | ~ 2,6 |
| Maximum bearing, kg | 150 |







| Product code: | 3J-CLEANER |
|---|---|
| Product name | Vehicle cleaner |
| Color | Black |
| Voltage, V | 12 |
| Power, W | 60 |
| Suction | 4000Pa/6500Pa |
| Battery capacity | 2000mAh x 3 |
| Suction level adjustment | Two |
| Discharge time, min | 30 / 25 |
| Charging mode | USB |
| Dimension, mm | 400 x 80 x 83 |
| Weight, kg | 0,74 |

## RV vehicle cleaner

# RV mini washing machine





This is a wall-mounted washing machine with a small and compact size, which perfectly solves the small space problem. It is fully functional and easy to use which also adds a drying function. It is the best choice for RV and family!

| Product code: | 3J-WM |
|---|---|
| Sizes, mm | 620 x 550 x 340 |
| Outer shell material | ABS |
| Washing & dehydration capacity, kg | 3 |
| Energy efficiency rating | 3rd class |
| Washing noise, dB | 55 |
| Dehydration noise, dB | 65 |
| Rated voltage | AC 220V/50Hz (60Hz) |
| Allowable voltage fluctuation range | AC 187V-242V |
| Allowable fluctuation range of water pressure | 0,05Mpa-0,8M |
| Rated power, W | 1200 |
| Washing power, W | 100 |
| Spin power, W | 100 |
| Electromagnetic door lock | Yes |
| Steam sterilization | Yes |
| Net/Gross weight, kg | 19/21 |

| Product code: | 3J-MWM |
|---|---|
| Sizes, mm | 373 x 360 x 404 |
| Outer shell material | ABS |
| Washing & dehydration capacity, kg | 1 |
| Energy efficiency rating | 3rd class |
| Washing noise, dB | 50 |
| Dehydration noise, dB | 60 |
| Rated voltage | AC 220V/50Hz |
| Allowable voltage fluctuation range | AC 187V-242V |
| Allowable fluctuation range of water pressure | 0,05Mpa-0,5M |
| Waterproof level | IPX4 |
| Washing power, W | 50 |
| Dehydration power, W | 50 |
| Heating power, W | 800 |
| Drying power, W | 200 |
| Net/Gross weight, kg | 9/10,5 |





It is a full-automatic pulsator washing machine with compact design and drying function, which is easy to operation and full-featured.

## RV mini washing machine

## FEATURE & FUNCTIONS:

- 12VDC, SOW
- Rated operating load 40 kg, max load bearing 150 kg
- Min height 370 mm, max height 740 mm
- Table frame size: 670 x 490 (mm)
- Table frame of 4-way slide and 360° degrees rotation
- Remote control or switch available
- Round or square leg available



3J-TS







| Product code: | 3J-120A / 3J-50B / 3J-50C |
|---|---|
| Size L x W x H, mm | 520 x 230 x 115 / 518 x 285 x 50 / 378 x 285 x 50 |
| Cut-out size, mm | 468 x 188 / No need / No need |
| Max wind speed, $m^2/h$ | 72 / 98 / 98 |
| Voltage | DC12 |
| Weight, kg | 2,78 / 2,83 / 2,18 |
| Power, W | 20,8 / 15,5 / 16,6 |

## FEATURE & FUNCTIONS:

- Matte black color
- Tempered glass touch control panel
- Digital display
- Twin LED lights
- Washable filter
- 3 speed extractor fans
- High strength body structure
- With rear or top air outlet



3J-120A

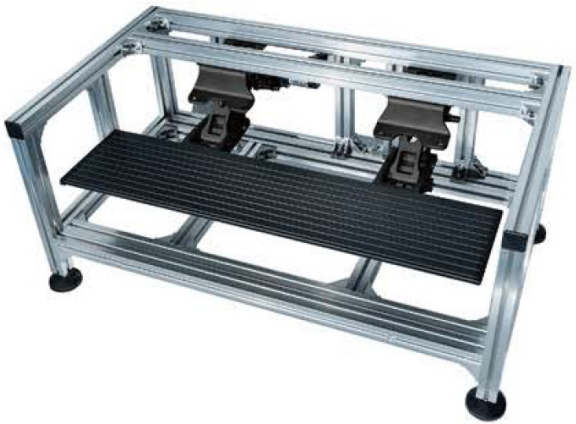


3J-50B



3J-50C

RV mini rangehood



| Product code: | 3J-EDS-01 |
|---|---|
| Specification, mm | 230 x 550<br>230 x 600<br>230 x 700 |

**Step length: 550-1200 mm optional**

## FEATURE & FUNCTIONS:

- **Anti-pinch function.** During the process of opening or closing, if there is an obstacle, the maximum impact or pinch exerted by the step will be ≤ 100, then the step will automatically return to original closing or opening position
- **Central control lock protection.** The step cannot stretch when a signal from central control lock is switched in
- **Voltage protection.** When the input voltage is < 9V, the step does not work because of low voltage protection, so as to prevent battery power shortage. When the input voltage is > 16V, the step does not work because of high voltage protection, so as to prevent over-voltage damage
- **Speed protection (CAN or LIN).** When the vehicle has a speed ≥ 8km/h, the step cannot stretch out. When the step stretches out, the vehicle cannot start by its own power. (Note: the basic model does not have this function)
- **Performance parameter:**

  1. working voltage 9~16V, working current ≤ 5A, locked-rotor current ≤ 15A, motor speed ≥ 23r/Min
  2. Noise for single motor ≤ 50dB, combined noise ≤ 60dB
  3. Electric Step working temperature: -40˚C ~ 85˚C
  4. Static carrying capacity: 150 kg
  5. Motor IP level: IP67
  6. Product durability test: 100000 cycles
  7. Vehicle communication interface: CAN/LIN (Not for basic model)

## BL01N Large Push Lock



**BL01N-BPC**

**P02B-PC (old number)**



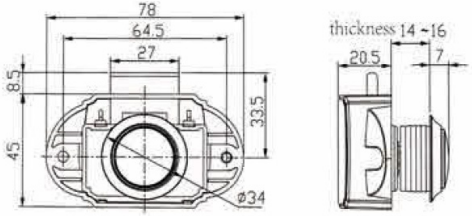
**BL01N-BN**

**P02B-PN (old number)**

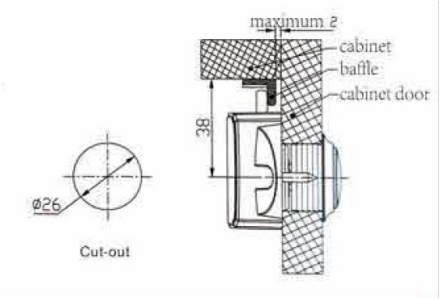


**BL01N-BC**

**P02B-CH (old number)**




| Product code: | BL01N-BPC / BL01N-BN / BL01N-BC |
|---|---|
| Material | ABS & Zinc alloy |
| Cut-out size, mm | Ø26 |
| Color | Pearl chrome / pearl nickel / chrome |
| Board thickness, mm | 14 ~ 16 |
| Oty / Carton | 100 |



## BL01N Large Push Lock



BL01N-WPC

P02W-PC (old number)



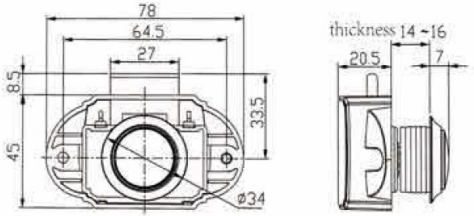
BL01N-WN

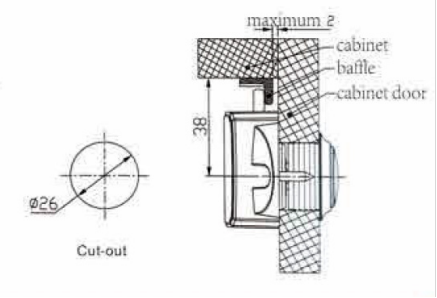
P02W-PN (old number)



BL01N-WC

P02W-CH (old number)




| Product code: | BL01N-WPC / BL01N-WN / BL01N-WC |
|---|---|
| Material | ABS & Zinc alloy |
| Cut-out size, mm | Ø26 |
| Color | Pearl chrome / pearl nickel / chrome |
| Board thickness, mm | 14 ~ 16 |
| Oty / Carton | 100 |

## BL02N Mini Push Lock



**BL02N-BPC**

**P01 B-PC (old number)**



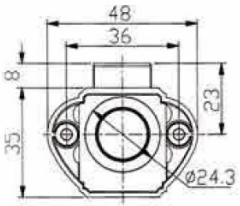
**BL02N-BN**

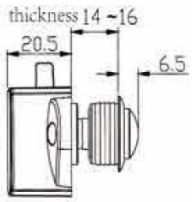
**P01 B-PN (old number)**

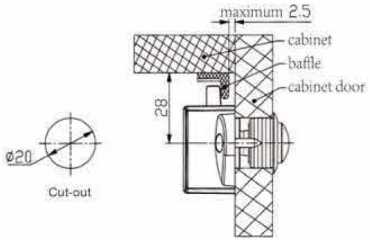


**BL02N-BC**

**P01 B-CH (old number)**




| Product code: | BL02N-BPC / BL02N-BN / BL02N-BC |
|---|---|
| Material | ABS & Zinc alloy |
| Cut-out size, mm | Ø20 |
| Color | Pearl chrome / pearl nickel / chrome |
| Board thickness, mm | 14 ~ 16 |
| Oty / Carton | 200 |

**BL02N Mini Push Lock**



**BL02N-WPC**

**P01W-PC (old number)**



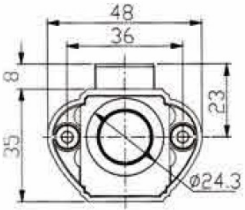
**BL02N-WN**

**P01W-PN (old number)**



**BL02N-WC**

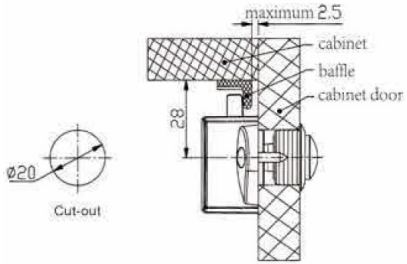
**P01W-CH (old number)**







| Product code: | BL02N-WPC / BL02N-WN / BL02N-WC |
|---|---|
| Material | ABS & Zinc alloy |
| Cut-out size, mm | Ø20 |
| Color | Pearl chrome / pearl nickel / chrome |
| Board thickness, mm | 14 ~ 16 |
| Oty / Carton | 200 |



## BL06-128 Small Camber Push Lock



**BL06-128-CH**

**P08-128-CH (old number)**



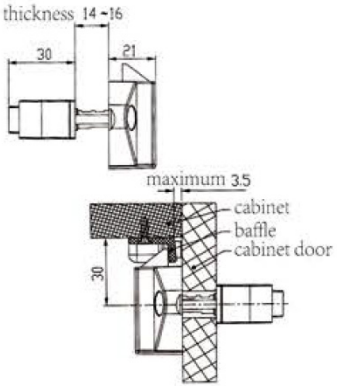
**BL06-128-SN**

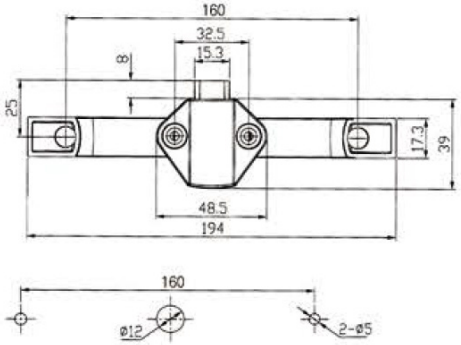
**P08-128-SN (old number)**



**BL06-128-PC**

**P08-128-PC (old number)**




| Product code: | BL06-128-CH / BL06-128-SN / BL06-128-PC |
|---|---|
| Material | Zinc alloy & nylon |
| Cut-out size, mm | Ø12 |
| Color | Chrome / satin nickel / pearl chrome |
| Board thickness, mm | 14 ~ 16 |
| Oty / Carton | 100 |

## BL06-160 Large Camber Push Lock



**BL06-160-CH**

P08-160-CH (old number)



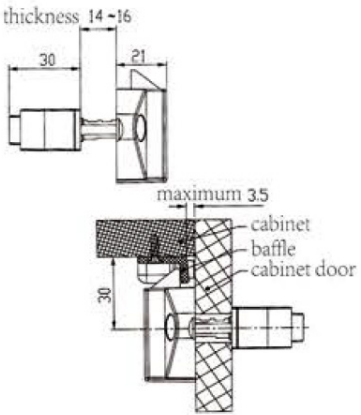
**BL06-160-SN**

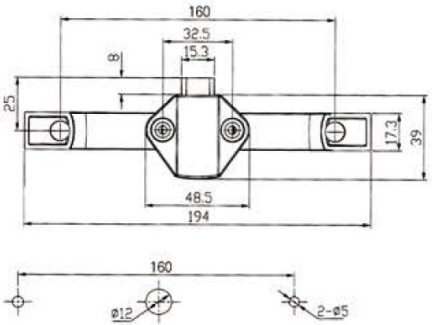
P08-160-SN (old number)



**BL06-160-PC**

P08-160-PC (old number)




| Product code: | BL06-160-CH / BL06-160-SN / BL06-160-PC |
|---|---|
| Material | Zinc alloy & nylon |
| Cut-out size, mm | Ø12 |
| Color | Chrome / pearl nickel / pearl chrome |
| Board thickness, mm | 14 ~ 16 |
| Oty / Carton | 100 |

## BL03 Pushing Type Cabinet Lock



**BL03-CH**

**P06-CH (old number)**



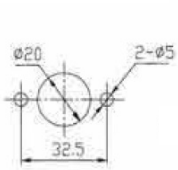
**BL03-SN**

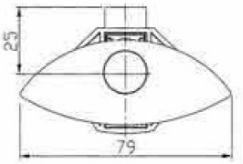
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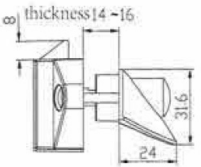


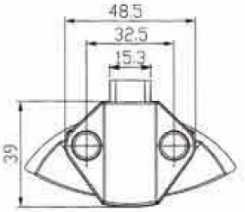
**BL03-GB**

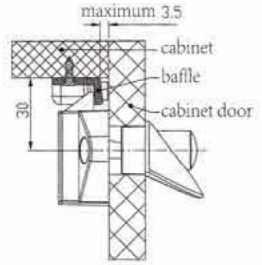
**P06-GB (old number)**




| Product code: | BL03-CH / BL03-SN / BL03-GB |
|---|---|
| Material | ABS & Zinc alloy |
| Cut-out size, mm | Ø20 |
| Color | Pearl chrome / pearl nickel / chrome |
| Board thickness, mm | 14 ~ 16 |
| Oty / Carton | 100 |

## BL08 Pulling Type Cabinet Lock



**BL08-CH**

**P07-CH (old number)**



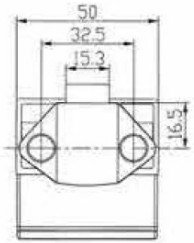
**BL08-SN**

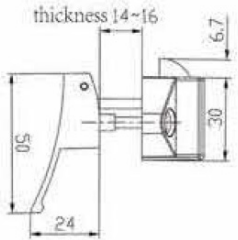
**P07-SN (old number)**

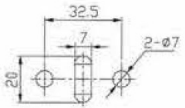


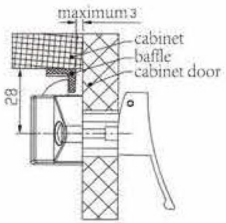
**BL08-GB**

**P07-GB (old number)**




| Product code: | BL08-CH / BL08-SN / BL08-GB |
|---|---|
| Material | Zinc alloy & nylon |
| Cut-out size, mm | Ø7 |
| Color | Chrome / satin nickel / gun black |
| Board thickness, mm | 14 ~ 16 |
| Oty / Carton | 100 |

## BL07 Small Pulling Type Cabinet Lock



**BL07-CH**

**P09-CH (old number)**



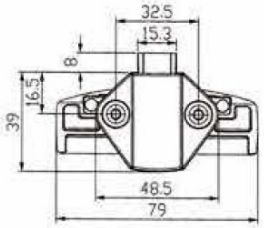
**BL07-SN**

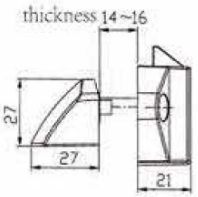
**P09-SN (old number)**

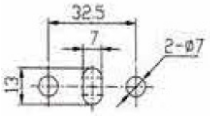


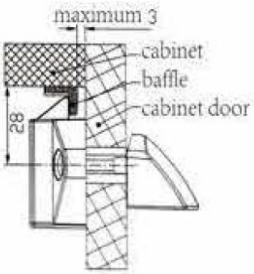
**BL07-GB**

**P09-GB (old number)**




| Product code: | BL07-CH / BL07-SN / BL07-GB |
|---|---|
| Material | Zinc alloy & nylon |
| Cut-out size, mm | Ø7 |
| Color | Chrome / satin nickel / gun black |
| Board thickness, mm | 14 ~ 16 |
| Oty / Carton | 100 |

## BL10 Hidden Buckle Cabinet Lock



**BL10-CH**

P11-128-CH (old number)



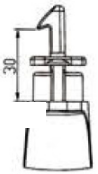
**BL10-SN**

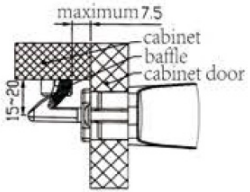
P11-128-SN (old number)

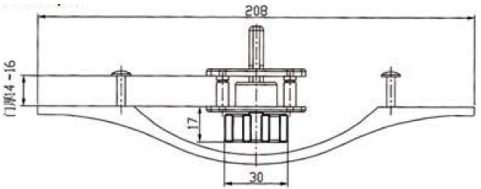


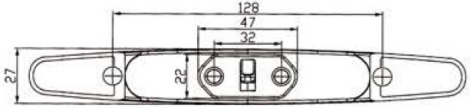
**BL10-PC**

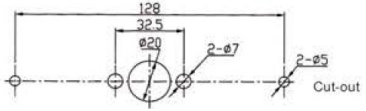
P11-128-PC (old number)



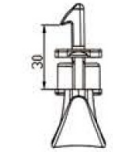



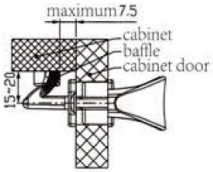




| Product code: | BL10-CH / BL10-SN / BL10-GB |
|---|---|
| Material | Zinc alloy & nylon |
| Cut-out size, mm | Ø20 |
| Color | Chrome / satin nickel / pearl chrome |
| Board thickness, mm | 14 ~ 16 |
| Oty / Carton | 100 |

## BL09 Hidden Buckle Cabinet Lock






**BL09-CH**

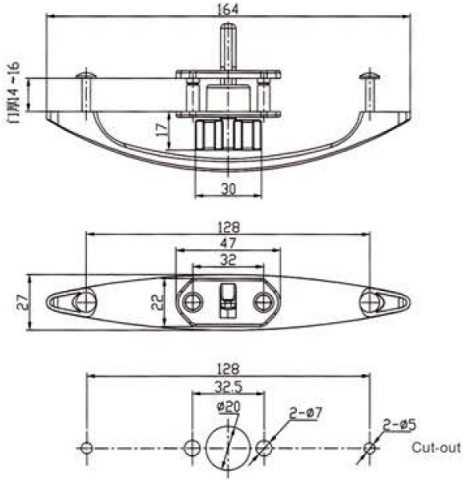
P12-128-CH (old number)

**BL09-SN**

P12-128-SN (old number)

**BL09-PC**

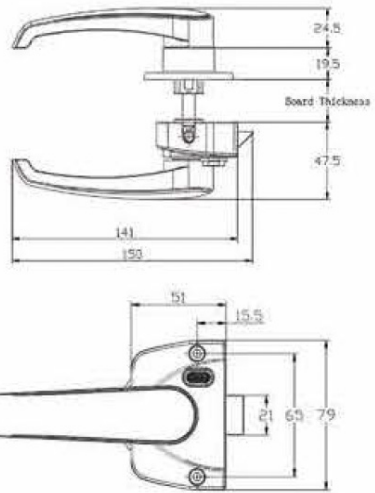
P12-128-PC (old number)

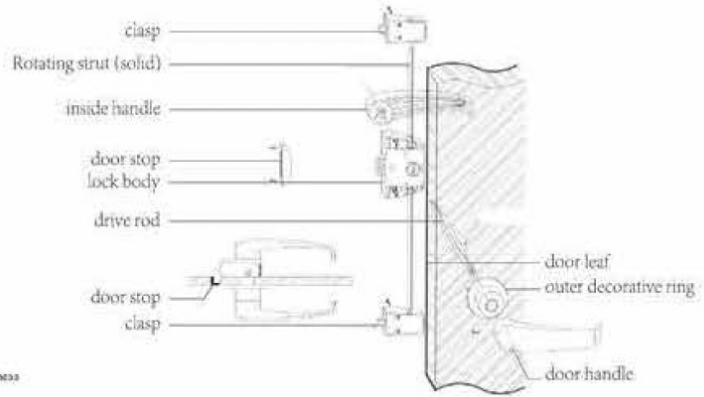



| Product code: | BL09-CH / BL09-SN / BL09-PC |
|---|---|
| Material | Zinc alloy & nylon |
| Cut-out size, mm | Ø20 |
| Color | Chrome / satin nickel / pearl chrome |
| Board thickness, mm | 14 ~ 16 |
| Oty / Carton | 100 |



**BL12 Three points Washroom Door Lock**

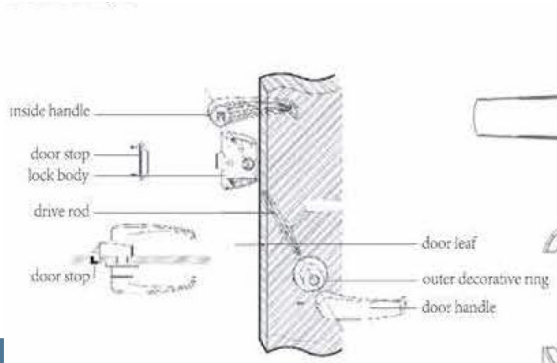



| Product code: | BL12-PC |
|---|---|
| Material | ABS & Zinc alloy |
| Cut-out size, mm | Ø19 |
| Color | Pearl chrome |
| Board thickness, mm | 14 ~ 16 |
| Oty / Carton | 20 |

**BL11 Washroom Door Lock**






| Product code: | BL11-PC |
|---|---|
| Material | ABS & Zinc alloy |
| Cut-out size, mm | Ø19 |
| Color | Pearl chrome |
| Board thickness, mm | 14 ~ 16 |
| Oty / Carton | 20 |

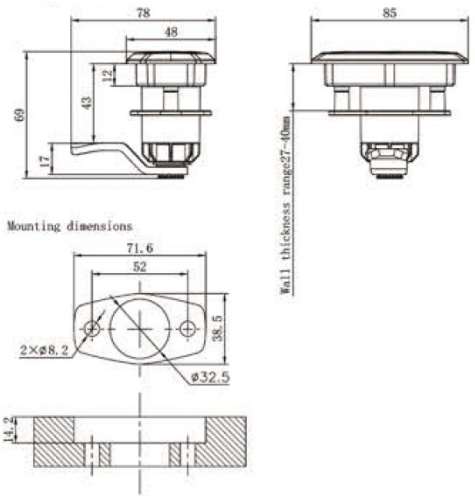
# Press type luggage door lock



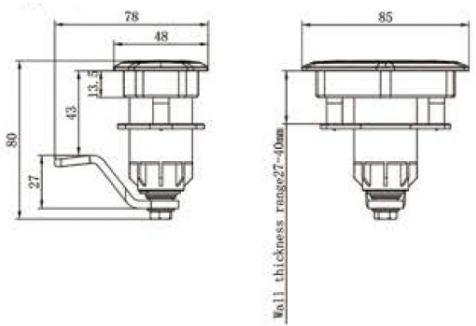
## FEATURE & FUNCTIONS:

- Hidden handle making the door surface smoother
- High quality material with UV resistant property
- Matching Sanjo or HSC cylinders
- Self-tighten cam lock

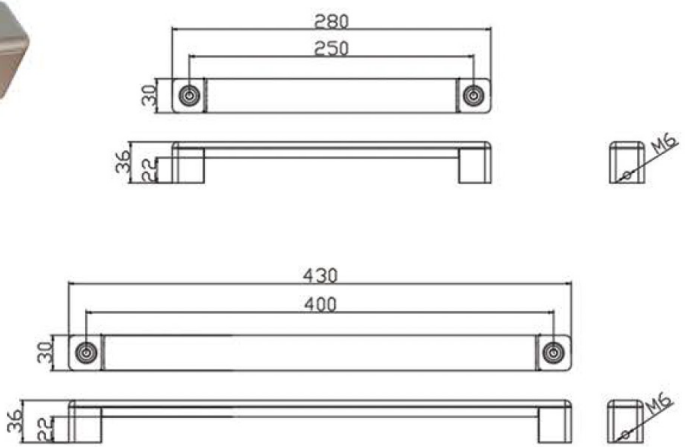
**3J-LOCK-6**




**3J-LOCK-5**








| Product code: | BL16-250 / BL16-400 |
|---|---|
| Material | Aluminum alloy |
| Surface treatment | Anodized |
| Pitch of holes, mm | 250 / 400 |
| Weight, kg | 0,63 / 0,5 |

## BL16 handle

| PRODUCT NAME | SIZE | MATERIAL | FEATURES & BENEFITS | |
|---|---|---|---|---|
|  Tempering Mixing Valve | 1/2" | Cooper | 1. High thermal endurance<br>2. Union connections and compression fittings<br>3. Accuracy of outlet temperature - AS4032.2 Between 40°C and 50°C<br>4. Temperature adjustment tool in the valve cap for easier maintenance | 5. Large outlet port allows faster response in fall safe shutdown mode<br>6. Compatible with copper pipe<br>7. Meet Australian Standard for potable water supply<br>8. AS 4032.2 |
|  Pressure Limiting Valves | 1/2" | Cooper | 1. Inlet/Outlet Fittings: Female Tapered<br>2. Standard Pressure Settings<br>3. Vailable (KPA): 350<br>4. Maximum Inlet Pressure (KPA): 2000<br>5. Maximum Temperature: 80°C | 6. Flow rate (maximum): 50L/min<br>7. Dezincification resistant<br>8. Meet Australian Standard for potable water supply<br>9. AS 1357.2 |
|  Combinative Non-Return Isolating Valve | 1/2" | Cooper | 1. Pressure max: 1400Kpa<br>2. DN15<br>3. Temperature range: 1-40°C<br>4. Dezincification resistant<br>5. Meet Australian Standard | for potable water supply<br>6. Valve designed to work effectively in vertical or horizontal orientation<br>7. AS 1357.1/.2 |

| PRODUCT CODE | PRODUCT NAME | SIZE | MATERIAL |
|---|---|---|---|
| AS 3688 |  Nipple Hexagon | 1/2″ | Cooper |
| AS 3688 |  Screwed Elbow | 1/2″ | Cooper |
| AS 3688 |  Screwed Tee | 1/2″ | Cooper |
| AS 3688 |  Nipple Reducing Hexagon | 3/4″ & 1/2″ | Cooper |
| AS 3688 |  Overflow Hexagon | 1/2″ | Cooper |

| PRODUCT CODE | PRODUCT NAME | SIZE | MATERIAL |
|---|---|---|---|
| AS 3688 |  Male Lugged Compression Elbow | 1/2″, 1/2″*46 | Cooper |
| AS/NZS 3718 |  Angled Hose Tap | 1 /2" Intel Brass & 3/4"Out Brass | Cooper |
| AS/NZS 3718 |  Angle Valve | 1 /2" Intel Brass & 3/4"Out Brass | Cooper |

Various parts

| PRODUCT CODE | PRODUCT NAME | SIZE | MATERIAL |
|---|---|---|---|
| Food and Drinking Water Standard: NSF 51 |  Stem Elbow | Pipe 12 mm & Stem 12 mm | POM |
| Food and Drinking Water Standard: NSF 51 |  Equal Tee | Pipe OD 12 mm | POM |
| Food and Drinking Water Standard: NSF 51/Assembly torque ≤ S4N |  Traight Adaptor (BSP thread) | Pipe OD 12 mm & 1/2" | POM |
| Food and Drinking Water Standard: NSF 51 |  Reducer | Pipe 12 mm & Stem 12 mm | POM |

| PRODUCT CODE | PRODUCT NAME | SIZE | MATERIAL |
|---|---|---|---|
| Food and Drinking Water Standard: NSF 51 |  Tube To Hose Stem | Hose 10 mm & Stem 12 mm | POM |
| Food and Drinking Water Standard: NSF 51 |  Equal Straight Connector | Pipe OD 12 mm | POM |
| AS 4176 |  Stem Elbow | Pipe 12 mm & Stem 12 mm | PEX |
| AS 4176 |  Equal Elbow | Pipe OD 12 mm | PEX |

| PRODUCT CODE | PRODUCT NAME | SIZE | MATERIAL |
|---|---|---|---|
| AS 4176 |  Bent Tap Connector | Pipe OD 12 mm & 1/2" | Cooper |
| AS 4176 |  Straight Tap Connector | Pipe OD 12 mm & 1/2" | Cooper |
| AS 4176 |  Equal Straight Connector | Pipe OD 12 mm | PEX |
| AS 4176 |  Equal Tee | Pipe OD 12 mm | PEX |

| PRODUCT CODE | PRODUCT NAME | SIZE | MATERIAL |
|---|---|---|---|
| Food and Drinking Water Standard: NSF 51/Assembly torque ≤ S4N |  Straight Tap Connector | Pipe OD 12 mm & 1/2" | POM |
| Food and Drinking Water Standard: NSF 51 |  Two-Way Divider | Pipe OD 12 mm | POM |
| Food and Drinking Water Standard: NSF 51 |  Equal Straight Connector | Pipe OD 12 mm | POM |
| Food and Drinking Water Standard: NSF 51 |  Equal Elbow | Pipe OD 12 mm | POM |

| PRODUCT CODE | PRODUCT NAME | SIZE | MATERIAL |
|---|---|---|---|
| AS 1260 |  Flexi Hose | 8 mm Flexi hose 450 mm 1/2F & 1/2 elbow | Cooper & PEX |
| |  Plastic Tube | 25 mm | UPVC |
| 3J-EWV |  | RV Electria Water Valve Weight - 328,3 g | |

## FEATURE & FUNCTION

1. Suitable for RV water control system
2. When the power supply is insufficient or failure occurs: can manually open the valve
3. Easy to use in narrow space, easy to install
4. Voltage Range: DC9-16V
5. Noise level: ≤ 45dB
6. Overall dimension: 148,9 x 64 x 97,2 mm, 7.3 IP level: IP66
8. Pipe Ø35 mm
9. Female Sheath: 174257-2/AMP

| PRODUCT CODE | PRODUCT NAME | SIZE | MATERIAL |
|---|---|---|---|
| AS 4176 |  Equal Elbow | Pipe OD 12 mm & 1/2" | Cooper & PEX |
| Color: Black & Brown / Red & Blue |  Locking Clip | Pipe 12 mm | PP |
| AS 4176 Color: White |  PEX Pipe | 12 mm | PEX |
| AS 4176 Color: Black & Red & Blue |  LLDPE Pipe | 12 mm | LLDPE |

| PRODUCT CODE | PRODUCT NAME | SIZE | MATERIAL |
|---|---|---|---|
| AS 1589 |  Pop-Up Plug and Waste | G1-1/4M P&W | Cooper |
| AS 1260 Internal & external thread |  Drainer Adaptor | G1-1/4F & 1/2M | UPVC |
| AS 1260 Internal thread |  Pop-Up Plug and Waste Converter | G1-1/ 2F 25 mm | UPVC |
| |  Built-in adapter for launching device | Adapte to 25 mm tube | POM |

AUTO ELITE
CAR SERVICE

# Various parts



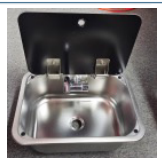




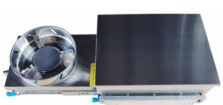


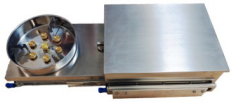
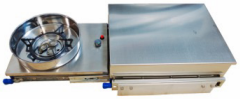
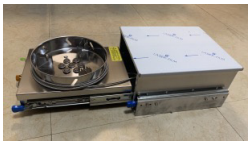



# RV water system solutions

| PRODUCT CODE | PRODUCT & MARK | | DIMMENSIONS |
|---|---|---|---|
| HWHWTC-3828 |  | **RV sink**<br>drain+cutting<br>board+rubber strip | 380 x 277 x 145 |
| HWTC-3828A |  | **RV sink**<br>drain+rubber<br>strip+faucet | 380 x 277 x 145 |
| HWTC-SS3828B |  | **RV sink+Stove**<br>drain+rubber<br>strip+faucet | 380 x 277 x 145 |
| HWTC-SS901 |  | **RV sink+Stove**<br>drain+rubber<br>strip+faucet | 550 x 350 x 135 |
| HWTC-SS901B |  | **RV sink+Stove**<br>drain+cutting<br>board+rubber strip | 550 x 350 x 135 |

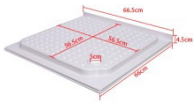
| PRODUCT CODE | PRODUCT & MARK | DIMMENSIONS |
|---|---|---|
| HWTC-SS901A |  **RV stove** rubber strip | 550 x 350 x 120 |
| HWTC-SS901C |  **RV stove** rubber strip | 550 x 350 x 120 |
| HWTC-SS1001 |  **RV sink** drain+rubber strip+faucet | 425 x 370 x 155 |
| HWTC-SS1002 |  **RV sink** drain+rubber strip+faucet | φ430 x 150 |
| HWTC-SS3124 |  **RV sink** drain+rubber strip | 310 x 240 x 120 |

| PRODUCT CODE | PRODUCT & MARK | | DIMMENSIONS |
|---|---|---|---|
| HWTC-345 |  | **RV sink**<br>drain+rubber<br>strip | φ365 x 120 |
| HWTC-345A |  | **RV sink**<br>drain+rubber<br>strip+faucet | φ345 x 145 |
| HWTC-365 |  | **RV sink**<br>drain+rubber<br>strip+cutting board | - |
| HWTC-WL101 |  | **RV stove** | 445 x 345 x 185 |
| HWTC-WL103 |  | **RV sink+Stove**<br>drain+rubber<br>strip+faucet | 461 x 403 x 320 |

| PRODUCT CODE | PRODUCT & MARK | DIMMENSIONS |
|---|---|---|
| HWTC-WL107 |  **RV stove** | 445 x 342 x 185 |
| HWTC-WL106 |  **RV stove**<br>Gas butane gas shared<br>3 star fierce fire stove | 443 x 362 x 180 |
| HWTC-CW108 |  **RV stove**<br>Gas butane gas shared<br>seven-star fierce fire stove | 392 x 343 x 180 |
|  75L  40L  25L | **Water tank** | - |
| HW-WB7701  | **Sink** | - |

| PRODUCT CODE | PRODUCT & MARK | | DIMMENSIONS |
|---|---|---|---|
| HW-T3320T |  | **Portable toilet** | - |
| HW-T4822T |  | **Portable toilet** | - |
| HW-3JW5000 |  | **Electrical toilet** | - |
| HW-W5001 |  | **Electrical toilet**<br>Including the gray water tank | - |
| - |  | **Sink**<br>drain+rubber strip | - |

| PRODUCT CODE | PRODUCT & MARK | | DIMMENSIONS |
|---|---|---|---|
| HW-BSL1 |  | **Sink with lid**<br>drain+rubber<br>strip+faucet | - |
| HW-BSR1 |  | **Sink with lid**<br>drain+rubber<br>strip+faucet | - |
| HW-FTP03S |  | **Water tap**<br>4 way rotatable and both<br>for cold and hot water | - |
| HWTC-X013 |  | **Foldable Acrylic sink** | - |
| HWTC-X014 |  | **Acrylic sink** | - |

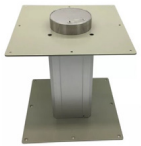
| PRODUCT CODE | PRODUCT & MARK | | DIMMENSIONS |
|---|---|---|---|
| HW-FSA01B |  | **Foldable Acrylic sink** | - |
| HW-FSA01 |  | **Acrylic sink** | - |
| HWTC-D014 |  | **Washroom floor** | - |
| HWTC-X004 |  | **Washroom floor** | - |
| HWTC-X003 |  | **Washroom floor** | - |



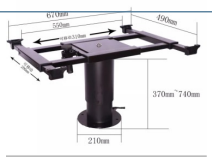

# RV vehicle parts

| PRODUCT CODE | PRODUCT & MARK | | DIMMENSIONS, cm |
|---|---|---|---|
| HT- RSH02-DS |  | Heavy load Table leg with Rotary head | 58 x 24 x 9 |
| HT-RTT |  | Height adjustable folding table leg | 95 x 13 x 13 |
| HW-RTL60 |  | Ranger drop down table leg (Easy to disassemble, saving transportation volume) | 68 x 34 x 18 |
| HT- RSH01 |  | Table leg | 58 x 24 x 9 |
| HT- RSH02 |  | Heavy load Table leg | 58 x 24 x 9 |

| PRODUCT CODE | PRODUCT & MARK | | DIMMENSIONS, cm |
|---|---|---|---|
| HT- M01N2-JQ |  | RV table leg | 53 x 15 x 15 |
| HT- MF63 |  | Table leg | - |
| HT-A03 |  | Three stage table leg | 32 x 32 x 35 |
| HT- M01LS |  | Table leg | 54 x 15 x 15 |
| HT- MF01N |  | Fixed height stowable table miunts | 73 x 15 x 15 |

| PRODUCT CODE | PRODUCT & MARK | | DIMMENSIONS, cm |
|---|---|---|---|
| HT-MA3 |  | Manual lifting table mount | 30 x 30 x 40 |
| HT-RTA |   | Removable table with leg | 100 x 15 x 15 |
| HT-RTB |   | Removable table with leg | 58 x 24 x 9 |
| HT-FD04 |  | Folding table leg | - |
| HT-EFD2 |  | RV electric table | 65 x 35 x 9 |

| PRODUCT CODE | PRODUCT & MARK | | DIMMENSIONS, cm |
|---|---|---|---|
| HT- MF25 |  | Fixed height stowable table miunts | - |
| HT- MF27 |  | Fixed height stowable table miunts | - |
| HT- MF29 |  | Fixed height stowable table miunts | - |
| HT- M01N |  | Stowable table mounts | 54 x 15 x 15 |
| HT-M02 |  | Stowable table mounts | 47 x 18 x 14 |

| PRODUCT CODE | PRODUCT & MARK | | DIMMENSIONS, cm |
|---|---|---|---|
| HSL-ASB |  | Marine seat base | 35 x 34 x 34 |
| HT-FOL |  | Multifunction table mounts | 100 x 55 x 10 |
| HW-6667002B |  | Air driver table leg with rotation and slider (Adjustable from 35,5 cm to 73 cm) | 56,5 x 42,5 x 35,5 |
| HW-TS-P |  | Electric lift table with rotation and slider (Adjust range 370~740) | - |
| HW-ETB |  | Electric lift table with rotation and slider (Adjust range 370~740) | - |

| PRODUCT CODE | PRODUCT & MARK | | DIMMENSIONS, cm |
|---|---|---|---|
| HT-DTP |  | Double-layer extended table leg | 14 x 14 x 44 |
| HW-FUR |  | Telescopic counter desktop extension bar | 18 x 8 x 10 |
| HT-M01LSA |  | Aluminum lifting table legs | 54 x 15 x 15 |




# RV domestic regulators

| STANDARD VERSION | PREMIUM VERSION with PUSH BUTTON | PREMIUM VERSION with PUSH BUTTON | GAS PRESSURRE | GAS TYPE | TECHNICAL DETAILS |
|---|---|---|---|---|---|
| stops 90% of the gas flow in case of a leackage | stops 100% of the gas flow in case of a leackage | have a manometer for leak testing and low gas level indication+stops 100% of the gas flow in case of a leackage | | | |
|  A310ie-P002 |  A310iep-P002 |  A310iep-PM002 | 50 mbar | Propane 1-16 bar | **Inlet:** W21,8x1/14" DIN 2 with R5 nut KLF -G12; **Outlet:** 1/4"LH (H4) acc. to EN16129 and Harmonized EN12864; **Capacity:** 1,5 kg/h |
| A310ie-P734 | A310iep-P734 | A310iep-PM734 | 37 mbar | Propane 1-16 bar | **Inlet:** W21,8x1/14" DIN 2 with R5 nut KLF -G12; **Outlet:** 9 mm nozzle; acc. to EN16129 and Harmonized EN12864; **Capacity:** 1,5 kg/h |
| A310ie-P068 | A310iep-P068 | A310iep-PM734 | 30 mbar | Propane 1-16 bar | **Inlet:** W21,8x1/14" DIN 2 with R5 nut KLF - G12; **Outlet:** 10 mm Norwegian nozzle; acc. to EN16129 and Harmonized EN12864; **Capacity:** 1,5 kg/h |
|  A310ie-P082 |  A310iep-P082 |  A310iep-PM082 | 28 mbar | Butane 0,3-7,5 bar | **Inlet:** W21,8x1/14" - G2-R5 brass nut with mesh filter; **Outlet:** 8 mm hose nozzle (H50); acc. to EN16129 and Harmonized EN12864; **Capacity:** 1,5 kg/h |
|  A310ie-P079 |  A310iep-P079 |  A310iep-PM079 | 37 mbar | Propane 1-16 bar | **Inlet:** W21,8x1/14" - G2-R5 brass nut with mesh filter; **Outlet:** 8 mm hose nozzle (H50); acc. to EN16129 and Harmonized EN12864; **Capacity:** 1,5 kg/h |

| STANDARD VERSION | PREMIUM VERSION with PUSH BUTTON | PREMIUM VERSION with PUSH BUTTON | GAS PRESSURRE | GAS TYPE | TECHNICAL DETAILS |
|---|---|---|---|---|---|
| stops 90% of the gas flow in case of a leackage | stops 100% of the gas flow in case of a leackage | have a manometer for leak testing and low gas level indication+stops 100% of the gas flow in case of a leackage | | | |
|  A310ie-P213 |  A310iep-P213 |  A310iep-PM213 | 50 mbar | Propane 1-16 bar | **Inlet:** W21,8x1/14" - G2-R5 brass nut with mesh filter; **Outlet:** 8 mm hose nozzle (H50); acc. to EN16129 and Harmonized EN12864; **Capacity:** 1,5 kg/h |
|  A310ie-P098 |  A310iep-P098 |  A310iep-PM098 | 37 mbar | Propane 1-16 bar | **Inlet:** W21,8x1/14" - G2-R5 brass nut with mesh filter; **Outlet:** 1/4"" LH (H4); acc. to EN16129 and Harmonized EN12864; **Capacity:** 1,5 kg/h |
|  A310ie-P0006 |  A310iep-P006 |  A310iep-PM006 | 50 mbar | Propane 1-16 bar | **Inlet:** W21,8x1/14" - G2-R5 brass nut with mesh filter; **Outlet:** 1/4"" LH (H4); acc. to EN16129 and Harmonized EN12864; **Capacity:** 1,5 kg/h; **Outlet pressure:** 50 mbar |
|  A310ie-P033 |  A310iep-P033 |  A310iep-PM033 | 30 mbar | Butane 0,3-7,5 bar | **Inlet:** W21,8x1/14" - G5 - 30 mm steel nut; **Outlet:** 8 mm hose nozzle (H50); acc. to EN16129 and Harmonized EN12864; **Capacity:** 1,5 kg/h |
|  A310ie-P035 |  A310iep-P035 |  A310iep-PM035 | 50 mbar | Butane 0,3-7,5 bar | **Inlet:** W21,8x1/14" - G5 - 30 mm steel nut; **Outlet:** 8 mm hose nozzle (H50); acc. to EN16129 and Harmonized EN12864; **Capacity:** 1,5 kg/h |

| STANDARD VERSION | PREMIUM VERSION with PUSH BUTTON | PREMIUM VERSION with PUSH BUTTON | GAS PRESSURRE | GAS TYPE | TECHNICAL DETAILS |
|---|---|---|---|---|---|
| stops 90% of the gas flow in case of a leackage | stops 100% of the gas flow in case of a leackage | have a manometer for leak testing and low gas level indication+stops 100% of the gas flow in case of a leackage | | | |
|  A310ie-P007 |  A310iep-P007 |  A310iep-PM007 | 30 mbar | Propane 1-16 bar | **Inlet:** W21,8x1/14" - G5 - 30 mm steel nut; **Outlet:** 1/4"" LH (H4); acc. to EN16129 and Harmonized EN12864; **Capacity:** 1,5 kg/h, **Outlet pressure:** 30 mbar |
|  A310ie-P034 |  A310iep-P034 |  A310iep-PM034 | 50 mbar | Propane 1-16 bar | **Inlet:** W21,8x1/14" - G5 - 30 mm steel nut; **Outlet:** 1/4" LH (H4); acc. to EN16129 and Harmonized EN12864; **Capacity:** 1,5 kg/h |
|  A310ie-P049 |  A310iep-P049 |  A310iep-PM049 | 30 mbar | Butane 0,3-7,5 bar | **Inlet:** W21,8x1/14" G2 - 27 mm nut; **Outlet:** 8 mm hose nozzle (H50); acc. to EN16129 and Harmonized EN12864; **Capacity:** 1,5 kg/h |
|  A310ie-P028 |  A310iep-P028 |  A310iep-PM028 | 30 mbar | Propane 1-16 bar | **Inlet:** W21,8x1/14" G2 - 27 mm nut; **Outlet:** 1/4"" LH (H4); acc. to EN16129 and Harmonized EN12864; **Capacity:** 1,5 kg/h |
|  A310ie-P234 |  A310iep-P234 |  A310iep-PM234 | 30 mbar | Butane 0,3-7,5 bar | **Inlet:** W21,8,x1,814-G4 - 27 mm nut; **Outlet:** 8 mm hose nozzle (H50); acc. to EN16129 and Harmonized EN12864; **Capacity:** 1,5 kg/h |

| STANDARD VERSION | PREMIUM VERSION with PUSH BUTTON | PREMIUM VERSION with PUSH BUTTON | GAS PRESSURRE | GAS TYPE | TECHNICAL DETAILS |
|---|---|---|---|---|---|
| stops 90% of the gas flow in case of a leackage | stops 100% of the gas flow in case of a leackage | have a manometer for leak testing and low gas level indication+stops 100% of the gas flow in case of a leackage | | | |
|  A310ie-P021 |  A310iep-P021 |  A310iep-PM021 | 28 mbar | Butane 0,3-7,5 bar | **Inlet:** W20.x1/14" LH - G1 - 25 mm; **Outlet:** 8 mm hose nozzle (H50); acc. to EN16129 and Harmonized EN12864; **Capacity:** 1,5 kg/h |
|  A310ie-P017 |  A310iep-P017 |  A310iep-PM017 | 28 mbar | Propane 1-16 bar | **Inlet:** W20.x1/14" LH - G1 - 25 mm; **Outlet:** 1/4"" LH (H4); acc. to EN16129 and Harmonized EN12864; **Capacity:** 1,5 kg/h |
| - | A310iep-P641 |  A310iep-PM641 | 28 mbar | Butane 0,3-7,5 bar | **Inlet:** W21,8,x1,814 - G2 - R5F brass nut; **Outlet:** M20x1,5; acc. to EN16129 and Harmonized EN12864; **Capacity:** 1,5 kg/h |
| - |  A310iep-P644 |  A310iep-PM644 | 37 mbar | Propane 1-16 bar | **Inlet:** W21,8,x1,814 - G2 - R5F brass nut; **Outlet:** M20x1,5; acc. to EN16129 and Harmonized EN12864; **Capacity:** 1,5 kg/h |
|  A300ie-P001 |  A300iep-P001 |  A300iep-PM001 | 30 mbar | LPG 0,3-16 bar | **Inlet:** POL CGA, soft nose (G10); **Outlet:** 8 mm hose nozzle (H50); acc. to EN16129 and Harmonized EN12864; **Capacity:** 1,5 kg/h |

| STANDARD VERSION | PREMIUM VERSION with PUSH BUTTON | PREMIUM VERSION with PUSH BUTTON | GAS PRESSURRE | GAS TYPE | TECHNICAL DETAILS |
|---|---|---|---|---|---|
| stops 90% of the gas flow in case of a leackage | stops 100% of the gas flow in case of a leackage | have a manometer for leak testing and low gas level indication+stops 100% of the gas flow in case of a leackage | | | |
|  A300ie-P023 |  A300iep-P023 |  A300iep-PM023 | 30 mbar | LPG 0,3-16 bar | **Inlet:** POL CGA, soft nose (G10); **Outlet:** 1/4"" LH (H4); acc. to EN16129 and Harmonized EN12864; **Capacity:** 1,5 kg/h |
| A300ie-P012 | A300iep-P012 | A300iep-PM012 | 30 mbar | LPG 0,3-16 bar | **Inlet:** POL CGA, soft nose (G10); **Outlet:** 10 mm hose nozzle (H51); acc. to EN16129 and Harmonized EN12864; **Capacity:** 1,5 kg/h |
| A300ie-P143 | A300iep-P143 | A300iep-PM143 | 50 mbar | LPG 0,3-16 bar | **Inlet:** POL CGA, soft nose (G10); **Outlet:** 1/4" LH (H4); acc. to EN16129 and Harmonized EN12864; **Capacity:** 1,5 kg/h |
|  A300ie-P252 |  A300iep-P252 |  A300iep-PM252 | 28 mbar | Butane 0,3-7,5 bar | **Inlet:** POL CGA, soft nose (G10); **Outlet:** 1/4"" LH (H4); acc. to EN16129 and Harmonized EN12864; **Capacity:** 1,5 kg/h |
|  A300ie-P081 |  A300iep-P081 |  A300iep-PM081 | 28 mbar | Butane 0,3-7,5 bar | **Inlet:** POL CGA, soft nose (G10); **Outlet:** 8 mm hose nozzle (H50); acc. to EN16129 and Harmonized EN12864; **Capacity:** 1,5 kg/h |

| STANDARD VERSION | PREMIUM VERSION with PUSH BUTTON | PREMIUM VERSION with PUSH BUTTON | GAS PRESSURRE | GAS TYPE | TECHNICAL DETAILS |
|---|---|---|---|---|---|
| stops 90% of the gas flow in case of a leackage | stops 100% of the gas flow in case of a leackage | have a manometer for leak testing and low gas level indication+stops 100% of the gas flow in case of a leackage | | | |
|  A300ie-P251 |  A300iep-P251 |  A300iep-PM251 | 37 mbar | Propane 1-16 bar | **Inlet:** POL CGA, soft nose (G10); **Outlet:** 10 mm hose nozzle (H51); acc. to EN16129 and Harmonized EN12864; **Capacity:** 1,5 kg/h |
|  A300ie-P095 |  A300iep-P095 |  A300iep-PM095 | 50 mbar | Propane 1-16 bar | **Inlet:** POL CGA, soft nose (G10); **Outlet:** 8 mm hose nozzle (H50); acc. to EN16129 and Harmonized EN12864; **Capacity:** 1,5 kg/h |
|  A235is-P001 |  A235isp-P001 |  A235isp-PMH001, A235isp-PMV001 | 29 mbar | LPG 0,3-16 bar | **Inlet:** 35 mm jumbo click-on type (G56); **Outlet:** 10 mm hose nozzle (H51); acc. to EN16129 and Harmonized EN12864; **Capacity:** 1,5 kg/h |
|  A235is-P003 |  A235isp-P003 |  A235isp-PMH003, A235isp-PMV001 | 30 mbar | LPG 0,3-16 bar | **Inlet:** 35 mm jumbo click-on type (G56); **Outlet:** 10 mm Norwegian Nozzle; acc. to EN16129 and Harmonized EN12864; **Capacity:** 1,5 kg/h |
|  A235is-P002 |  A235isp-P002 |  A235isp-PM002 | 30 mbar | LPG 0,3-16 bar | **Inlet:** 35 mm jumbo click-on type (G56); **Outlet:** 8 mm hose nozzle (H50); acc. to EN16129 and Harmonized EN12864; **Capacity:** 1,5 kg/h |

| STANDARD VERSION | PREMIUM VERSION with PUSH BUTTON | PREMIUM VERSION with PUSH BUTTON | GAS PRESSURRE | GAS TYPE | TECHNICAL DETAILS |
|---|---|---|---|---|---|
| stops 90% of the gas flow in case of a leackage | stops 100% of the gas flow in case of a leackage | have a manometer for leak testing and low gas level indication+stops 100% of the gas flow in case of a leackage | | | |
|  A235is-P004 |  A235isp-P004 |  A235isp-PMH004, A235isp-PMV004 | 29 mbar | LPG 0,3-16 bar | **Inlet:** 35 mm jumbo click-on type (G56); **Outlet:** 1/4"" LH (H4); acc. to EN16129 and Harmonized EN12864; **Capacity:** 1,5 kg/h |
|  A235IT-P001 | A235ITP-P001 |  A235ITP-PMH001, A235ITP-PMV001 | 30 mbar | LPG 0,3-16 bar | With top ON/OFF switch; **Inlet:** 35 mm jumbo click-on type (G56) **Outlet:** 10 mm hose nozzle (H51); acc. to EN16129 and Harmonized EN12864 **Capacity:** 1,5 kg/h |
|  A127is-P001 |  A127isp-P001 |  A127isp-PMH001 | 30 mbar | Butane 0,3-7,5 bar | **Inlet:** 27 mm compact click-on type (G59-27mm); **Outlet:** 8 mm UK reversed nozzle (H50); acc. to EN16129 and Harmonized EN12864 **Capacity:** 1,5 kg/h; **Outlet pressure:** 30 mbar |
|  A120is-P104 |  A120isp-P104 |  A120isp-PMH104 | 28 mbar | Butane 0,3-7,5 bar | **Inlet:** 20 mm compact click-on type (G52); **Outlet:** 8 mm UK reversed nozzle (H50); acc. to EN16129 and Harmonized EN12864; **Capacity:** 1,5 kg/h, **Outlet pressure:** 28 mbar |
|  A121is-P104 |  A121isp-P104 |  A121isp-PM104 | 28 mbar | Butane 0,3-7,5 bar | **Inlet:** 21 mm compact click-on type (G59-21mm); **Outlet:** 8 mm UK reversed nozzle (H50); acc. to EN16129 and Harmonized EN12864; **Capacity:** 1,5 kg/h |

| STANDARD VERSION | PREMIUM VERSION with PUSH BUTTON | PREMIUM VERSION with PUSH BUTTON | GAS PRESSURRE | GAS TYPE | TECHNICAL DETAILS |
|---|---|---|---|---|---|
|  A127is-P006 |  A127isp-P006 |  A127isp-PMV006 | 37 mbar | Propane 1-16 bar | **Inlet:** 27 mm compact click-on type (G59-27mm); **Outlet:** 8 mm UK reversed nozzle (H50); acc. to EN16129 and Harmonized EN12864; **Capacity:** 1,5 kg/h |
| A127is-P143 |  A127isp-P143 |  A127isp-PM143 | 37 mbar | Propane 1-16 bar | **Inlet:** 27 mm compact click-on type (G59-27mm); **Outlet:** 1/4"" LH (H4); acc. to EN16129 and Harmonized EN12864; **Capacity:** 1,5 kg/h |
| A127is-P130 |  A127isp-P130 |  A127isp-PM130 | 50 mbar | Propane 1-16 bar | **Inlet:** 27 mm compact click-on type (G59-27mm) **Outlet:** 1/4"LH (H4); acc. to EN16129 and Harmonized EN12864; **Capacity:** 1,5 kg/h |
| Not allowed - |  A120isp-P641 |  A120isp-PM641 | 28 mbar | Butane 0,3-7,5 bar | **Inlet:** 20 mm compact click-on type (G59-20mm); **Outlet:** M20x1,5; acc. to EN16129 and Harmonized EN12864; **Capacity:** 1,5 kg/h |
| Not allowed - | A120isp-P644 | A120isp-PM644 | 37 mbar | Propane 1-16 bar | **Inlet:** 20 mm compact click-on type (G59-20mm); **Outlet:** M20x1,5; acc. to EN16129 and Harmonized EN12864; **Capacity:** 1,5 kg/h |

| STANDARD VERSION | PREMIUM VERSION with PUSH BUTTON | PREMIUM VERSION with PUSH BUTTON | GAS PRESSURRE | GAS TYPE | TECHNICAL DETAILS |
|---|---|---|---|---|---|
| stops 90% of the gas flow in case of a leackage | stops 100% of the gas flow in case of a leackage | have a manometer for leak testing and low gas level indication+stops 100% of the gas flow in case of a leackage | | | |
| Not allowed<br>- | <br>A127isp-P641 | <br>A127isp-PM641 | 28 mbar | Butane 0,3-7,5 bar | **Inlet:** 27 mm compact click-on type (G59-27mm); **Outlet:** M20x1,5; acc. to EN16129 and Harmonized EN12864; **Capacity:** 1,5 kg/h |
| Not allowed<br>- | <br>A127isp-P644 | <br>A127isp-PM644 | 37 mbar | Propane 1-16 bar | **Inlet:** 27 mm compact click-on type (G59-27mm); **Outlet:** M20x1,5; acc. to EN16129 and Harmonized EN12864; **Capacity:** 1,5 kg/h |
|  <br>A122is-P014 |  <br>A122isp-P014 |  <br>A122isp-PM014 | 29 mbar | Butane 0,3-7,5 bar | **Inlet:** 22 mm compact click-on type (G59-22mm); **Outlet:** 8 mm reversed nozzle (H50); acc. to EN16129 and Harmonized EN12864; **Capacity:** 1,5 kg/h |
|  <br>A500is-P060 | <br>A500isp-P060 | <br>A500isp-PM060 | 29 mbar | LPG 0,3-16 bar | **Inlet:** 7/16" (For camping gas cartriges); **Outlet:** 10 mm hose nozzle (H51); acc. to EN16129 and Harmonized EN12864; **Capacity:** 1,5 kg/h |
|  <br>A500is-P002 |  <br>A512isp-P002 |  <br>A512isp-PM002 | 30 mbar | Butane 0,3-7,5 bar | **Inlet:** M16" (For camping gas); **Outlet:** 8 mm hose nozzle (H50); acc. to EN16129 and Harmonized EN12864; **Capacity:** 1,5 kg/h |

| STANDARD VERSION | PREMIUM VERSION with PUSH BUTTON | PREMIUM VERSION with PUSH BUTTON | GAS PRESSURRE | GAS TYPE | TECHNICAL DETAILS |
|---|---|---|---|---|---|
| stops 90% of the gas flow in case of a leackage | stops 100% of the gas flow in case of a leackage | have a manometer for leak testing and low gas level indication+stops 100% of the gas flow in case of a leackage | | | |
|  A500is-P055 |  A512isp-P055 |  A512isp-PM055 | 50 mbar | Propane 1-16 bar | **Inlet:** M16" (For camping gas); **Outlet:** 1/4" LH; acc. to EN16129 and Harmonized EN12864; **Capacity:** 1,5 kg/h |
|  A500is-P004 |  A512isp-P004 |  A512isp-PM004 | 30 mbar | Butane 0,3-7,5 bar | **Inlet:** M14" (For camping gas); **Outlet:** 8 mm hose nozzle (H50); acc. to EN16129 and Harmonized EN12864; **Capacity:** 1,5 kg/h; **Outlet pressure:** 30 mbar |
|  A512is-P003 |  A512isp-P003 |  A512isp-PM003 | 30 mbar | LPG 0,3-16 bar | **Inlet:** M14" (For camping gas); **Outlet:** 1/4"" LH (H4); acc. to EN16129 and Harmonized EN12864; **Capacity:** 1,5 kg/h |
|  A512is-P005 |  A512isp-P005 |  A512isp-PM005 | 30 mbar | LPG 0,3-16 bar | **Inlet:** M16" (For camping gas); **Outlet:** 1/4"" LH (H4); acc. to EN16129 and Harmonized EN12864; **Capacity:** 1,5 kg/h |

# RV tent parts

AWNLUX is the first company in the field of industrial and outdoor vehicles sunshade equipment in China.

They are specialist in the production of sun-shading equipment and related parts for Motorhomes, Caravans,Trailers and other specialized vehicles.

From small car window-awnings to large car-tents and other car accessories!

After years of intense research and development, they are offering on-board awnings and multiple project products patented technology in their products. They are dedicated to provide high professional, full custom-products to meet different customer's markets demands.

**RV AWNING | RV TENT | AWNING ANNEX**







Awnlux®

# W5600 caravan awning





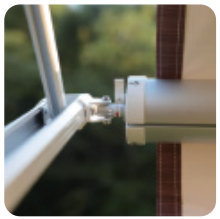


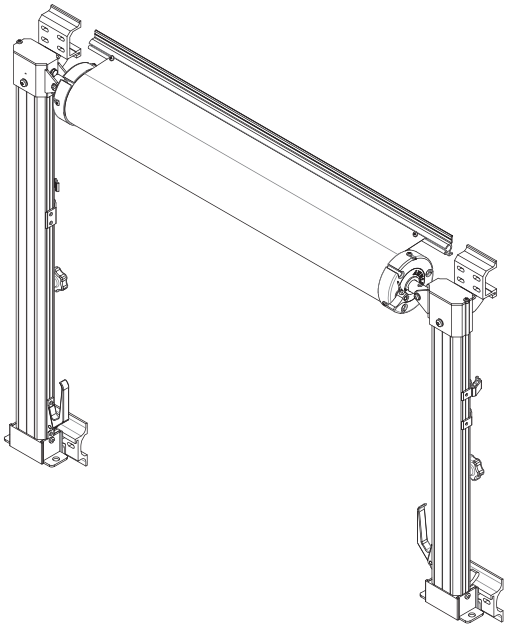


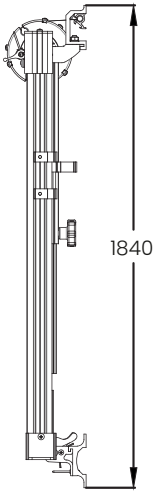
## W5600 CARAVAN AWNING

- Simple operation
- Strong and durable frame
- Suitable for RV, Caravan, Trailer, Pop up trailer
- Size can be customized










**Frame Color:** ● Black ○ White

**Control system:** Spring roll out

Standart size:

| Length, cm | 250 | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Width, cm | 250 | 300 | 350 | 400 | 450 | 500 | 550 | 600 |

# W5700 power awning





Motorized with
Manual control



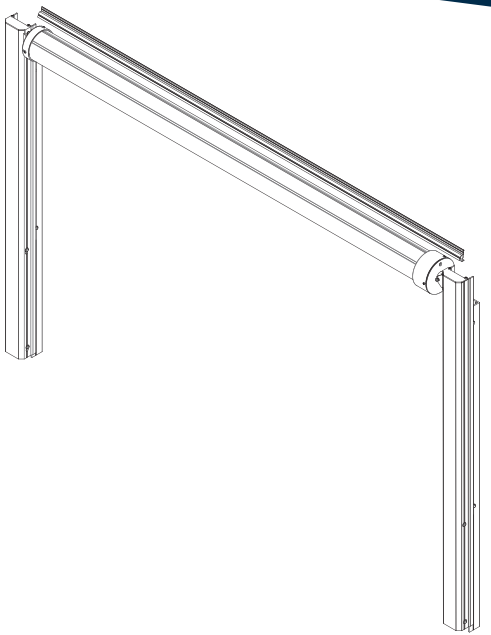


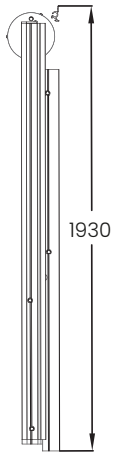
## W5600 CARAVAN AWNING

- Two control system let your camping lifte without fear of the RV power shortage
- Strong and durable frame
- Suitable for RV, Caravan, Trailer, Pop up trailer










**Frame Color:** ● Black ○ White

**Control system:** Motorized with Manual control

Standart size:

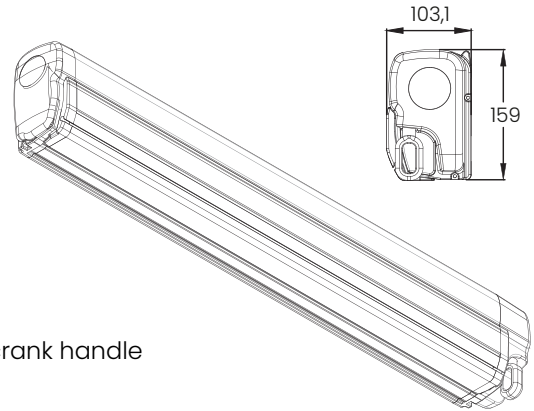
| Length, cm | | | | 250 | | | | |
|---|---|---|---|---|---|---|---|---|
| Width, cm | 250 | 300 | 350 | 400 | 450 | 500 | 550 | 600 |

# W5500N economical RV awning










**Frame Color:** ● Black ○ White

**Control system:** Manual/Motorized with crank handle

- Cassette design, protect the internal parts and fabric
- Two control system, easy to operate
- Side mounting is suitable for most of motorhome

Standart size:

| Length, cm | 100 | 100/150 | 100/150/200 | 100/150/200/250 | 100/150/200/250 | 100/150/200 |
|---|---|---|---|---|---|---|
| Width, cm | 150 | 200 | 250 | 300 | 350 | 400 |

# W5300T mini trailer awning

A new revolutionary car side awning with semi - automatic design make your camping life easier.

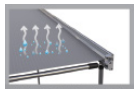


- Sturdy aluminum shell, makes your awning long life
- 100% Waterproof, heat insulation fabric with uv resistance, to give more protection
- Compact design to looks super cool

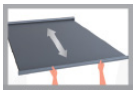




Aluminum alloy cover shell



Optional installation of light belt



Semi-automatic operation

Standart size:

| | | |
|---|---|---|
| Length, cm | 250 | 250 |
| Width, cm | 200 | 250 |

**Frame Color:** Silver Graphite grey

**Control system:** Semi-automatic roll out operation

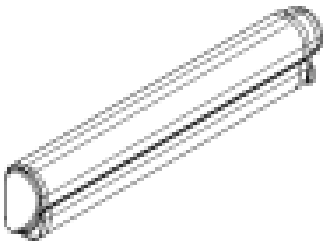
# W5900 heavy duty RV awning







- Large-size design, more extras shading area
- Suitable for big motorhome, bus



**Frame Color:** ● Black ○ White

**Control system:** Manual/Motorized with crank handle

Standart size:

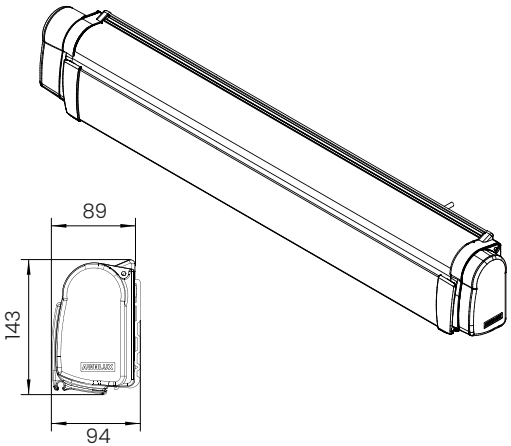
| | | | | |
|---|---|---|---|---|
| Length, cm | 100/150/200/250 | 100/150/200/250 | 100/150/200/250 | 100/150/200/250 |
| Width, cm | 400 | 450 | 500 | 600 |

# W5500S compact RV awning










**Frame Color:** ● Black ○ White

**Control system:** Manual control

Standart size:

| Length, cm | 100 | 100/150 | 100/150/200 | 100/150/200/250 |
|---|---|---|---|---|
| Width, cm | 150 | 200 | 250 | 300 |

- Light full cassette design, exquisite appearance and convenient operation
- Saving energy for your car
- Suitable for most of motorhome

# W5800 roof type awning

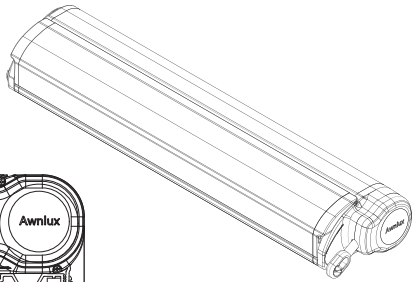


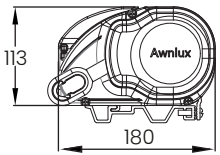


**Frame Color:** ● Black ○ White

**Control system:** Manual/Motorized with crank handle

- Installation on the roof, meet requirements of special RV and is suitable for most motorhome
- Large-size design, more extras shading area



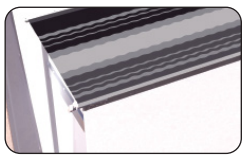



Standart size:

| Length, cm | 100 | 100/150 | 100/150/200 | 100/150/200/250 | 100/150/200/250 | 100/150/200/250 | 100/150/200/250 | 100/150/200/250 | 100/150/200/250 |
|---|---|---|---|---|---|---|---|---|---|
| Width, cm | 150 | 200 | 250 | 300 | 350 | 400 | 450 | 500 | 600 |

# W5250 slide out awning







- Awning can effectively prevent fallen leaves, dust and rain from entering the expansion slide canbin and effectively prolong the service life of the slide canbin
- Size can be customized



**Frame Color:** ● Black ○ White

**Control system:** Spring winding control

Standart size:

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Length, cm | 60~120 | 60~120 | 60~120 | 60~120 | 60~120 | 60~120 | 60~120 | 60~120 |
| Width, cm | 150 | 200 | 250 | 300 | 350 | 400 | 450 | 500 |

# W5200 casette slide out awning

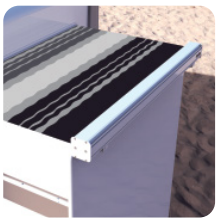


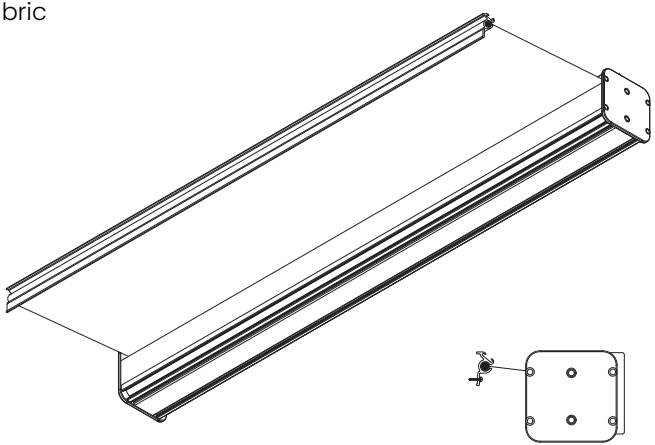


## W5200 CASETTE SLIDE OUT AWNING

- Cassette design, protect the internal parts and fabric
- Resist the fallen leaves, dust and rain
- Increase awning and slide canbin service life







**Frame Color:** ● Black ○ White

**Control system:** Spring winding control

Standart size:

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Length, cm | 60~120 | 60~120 | 60~120 | 60~120 | 60~120 | 60~120 | 60~120 | 60~120 |
| Width, cm | 150 | 200 | 250 | 300 | 350 | 400 | 450 | 500 |

Awnlux®



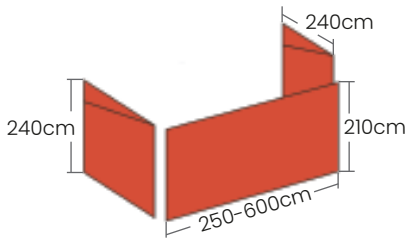


**Fabric Color:** Grey

**Fabric material:** Polyester cotton with PVC








## W5000T ANNEX TENT

- Easy to set up
- Install on various styles of awnings
- Expands the space outside of the caravan
- Tent inclusions: 2x End walls 1x Front wall
- Color and size can be customized

# Portable inflatable air tent

- can be installed quickly.
- is suitable for various styles of awnings and RV which without awnings to expand more hidden outdoor private space.

Standart size:

| | | | |
|---|---|---|---|
| Length, cm | 250 | 250 | 250 |
| Width, cm | 280 | 330 | 390 |
| Height, cm | 240 | 240 | 240 |

**Fabric Color:** Grey with black

**Fabric material:** Oxford





# QSUB-50 sunblocker





- Width: 200-600 cm
- Projection: 210 cm, can be customized
- Material: 1000D 9*12 PVC mesh



Can block the sunlight and ultraviolet rays from the front with a shading rate of 90%. Extra privacy will be added to your patio awning. Suitable for all European style awnings in the market.

Standart size:

| | | |
|---|---|---|
| Length (can be customized), cm | 250 | 250 |
| Width, cm | 200~600 | 200~600 |

# W5000P awning porch

- Help extend outdoor space
- Applying with dual design of velcro and keder splines on the top, can attach to the awning arms easily by velcro
- Material: 560gsm PVC Vinyl + 220gsm HDPE











Standart size:

| | |
|---|---|
| Length, cm | Extension155+Drop180 |
| Width, cm | 210 |

# SUB56-FP front wall







- Breathable but can block 90% ultraviolet rays of the sun from the front.
- Suitable for different brands of awnings to add a privacy space for your patio space.
- Material: 1000D 9*12 PVC mesh.

Standart size:

| | |
|---|---|
| Length (can be customized), cm | 180 |
| Width, cm | 200~600 |

# SUB56-FH front wall

- Breathable but can block 95% ultraviolet rays of the sun from the front
- Easy Installation and provide the best protection for your outdoor life
- Material: 100% virgin HDPE







Standart size:

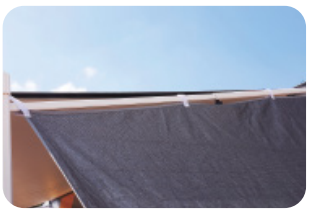
| | |
|---|---|
| Length (can be customized), cm | 180 |
| Width, cm | 200~600 |

# SUB56-EH end wall

- End wall angled privacy screens can block the sunlight from the sides, offers additional privacy & 95% UV protection to you
- Block the sun, but not your view
- Material: 100% virgin HDPE









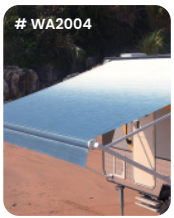

Standart size:

| | |
|---|---|
| Length, cm | 180 (front height), 235 (rear height) |
| Width, cm | 210 |

# Caravan awning fabric replacement

- Formulated multi-layer gridded vinyl awning fabric with multi colors for choice
- Exceptional anti-UV, 100% waterproof, mildew proof thanks to the surface treatment, easy to clean
- Special processing makes the fabric super weather proof, can be used in various harsh weather
- Can fit for almost all brands roll out caravan awnings, special sizes can be customized on request.













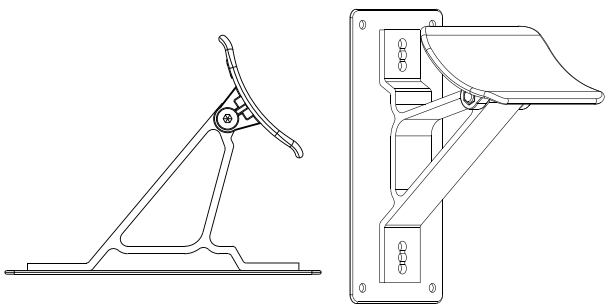



| AWNING | FABRIC |
|---|---|
| 244 cm | 218 cm |
| 274 cm | 249 cm |
| 305 cm | 279 cm |
| 335 cm | 310 cm |
| 366 cm | 340 cm |
| 396 cm | 371 cm |
| 427 cm | 401 cm |
| 457 cm | 432 cm |
| 488 cm | 462 cm |
| 518 cm | 493 cm |
| 549 cm | 523 cm |
| 579 cm | 554 cm |
| 610 cm | 584 cm |
| 640 cm | 615 cm |

# WACS awning center support

- Add extra support to your awning system and preventthe roller tube from bouncing and flexing as you travel down the road
- Suitable for all brands roll out caravan awning
- Automatically pivots to receive and release the roller when awning is operated.

**Frame Color:** ● Black ○ White












# WAR rv awning rafter

Made to our exclusive design curve and shape, the Curved Roof Rafter was developed to help overcome two of the problems users of roll out awnings face.

- It helps prevent wind flap in the fabric of the awning
- It assists water run off in rain
- Size: work with all awning with 8' or less

**Frame Color:** Andonized

**Material:** Aluminum Alloy







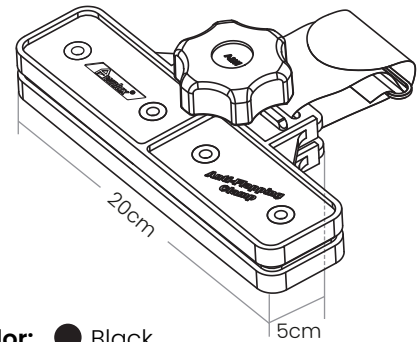


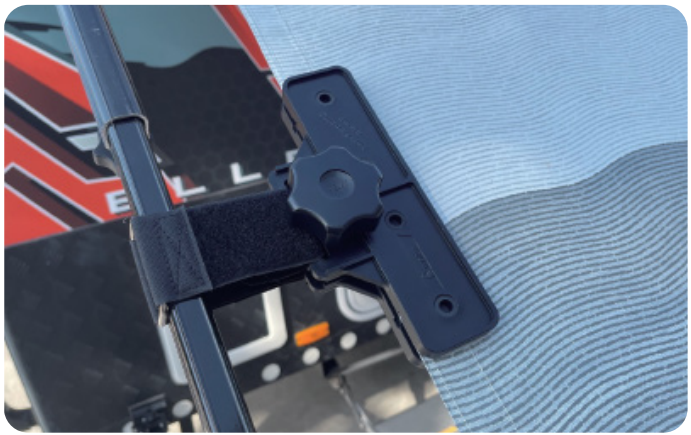




# WAFC-20 anti-flagging clamp

- Enhance the wind and rain resistance of the awning cloth, protect your awing from rips and tears by the windy weather
- Help extend the fabric service life



**Frame Color:** ● Black

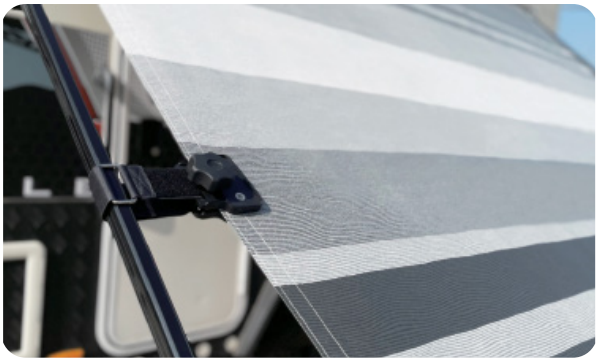
**Material:** Nylon

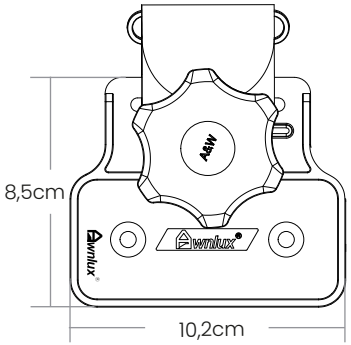




# WAFC-10 anti-flagging clamp

- Enhance the wind and rain resistance of the awning cloth, protect your awing from rips and tears by the windy weather
- Softgrippers protect the fabric from scratches. Easy to install






**Frame Color:** ● Black

**Material:** Nylon

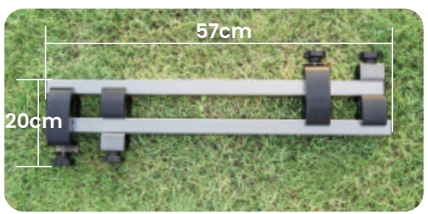






# RV awning clothesline

- Can hang your clothes fo dry during your camping time
- Making your outdoor life more comfortable and convenient
- Easy to install












# S hook

- Perfect for hanging clothes, lights during your camping party or any accessories you like. When use with wind rope can help strenghthen your awning stability
- Bringing more convenience to your outdoor camping lift. Suitable for all brands rv awnings











**Material:** plastic slider + Stainless Steel S hook

**Loading Capacity:** almost 19,3kgs/PCS

**Slider Dia.:** 4,65mm

# W6600 electric RV window blinds

Awnlux®

Double-layer honeycomb full shading screen and flyer screen design, heat insulation, UV resistance, easy to clean, multiple control systems.



Full open



Half Flyer screen & Shading screen



Flyer screen



Shading screen

**Material:** Non-woven + gauze

**Control system:** Touch screen buttons/Remote control

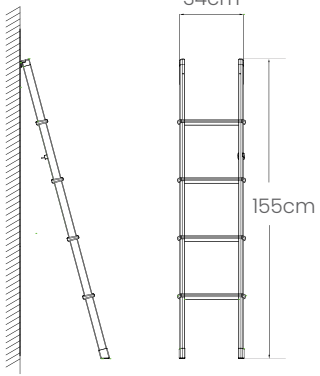
**Size:** Customized size (max. 180*100cm)

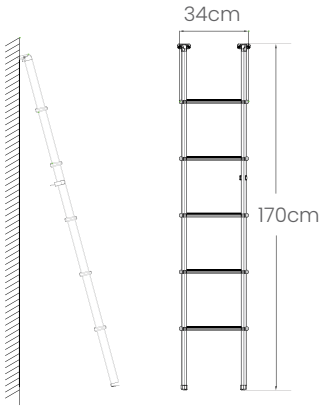




# RV bunk ladder

- Safe and sturdy with anti-slip pedals and safety anti-slip feet
- Material: Aluminum alloy









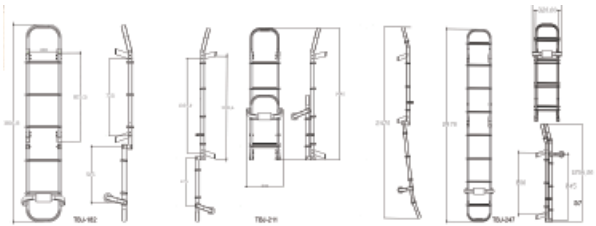

| Standart size: | TBJ-155 | TBJ-175 |
|---|---|---|
| Height, cm | 155 | 170 |
| Width, cm | 34 | 34 |

# RV ladder





- Suitable for standard class-C, class-B and other model, it is the best choice for RV climbing ladder
- Material: Alloy aluminum



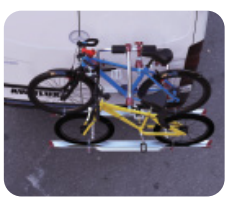
| Standart size: | TBJ-182 | TBJ-211 | TBJ-247 |
|---|---|---|---|
| Extension Height, cm | 182 | 211 | 247 |
| Folded Height, cm | 115 | 144 | 125,5 |
| Width, cm | 32 | 32 | 32 |

# BRG-200 bicycle luggage carrier

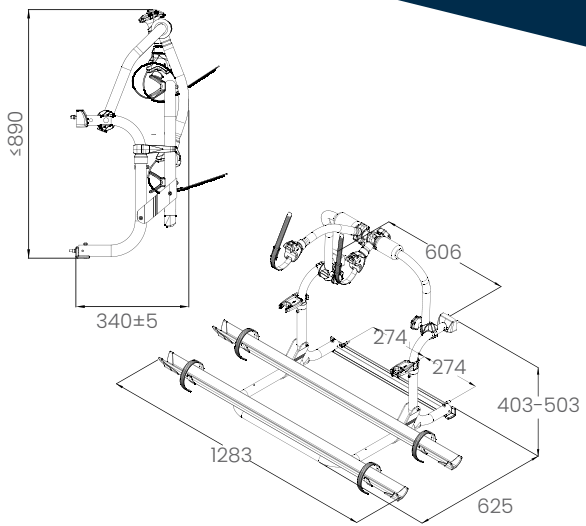
Applicable to a variety of models, reinforced aluminum alloy stable structure. Bring your bicycle to shuttle through the streets and alleys and enjoy the "romantic life".

- Carry loads up to three bikes with triangle plug
- Material: Aluminum alloy










Standart size:

| | |
|---|---|
| Open size (L x W x H), cm | 130 x 66 x 80 |
| Folded size (L x W x H), cm | 130 x 28 x 80 |

# Vehicle step (single step)

- Exquisite and portable, convenient storage, saving space
- Material: Iron, Plastic

| Standart size: | SINGLE STEP |
|---|---|
| Width, cm | 36,8 |
| Length, cm | 48,5 |
| Heigth, cm | 7/18,5/21/22,5 |



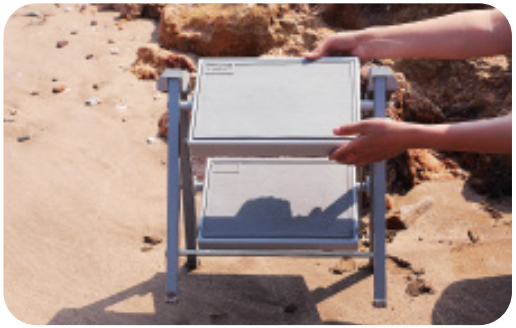


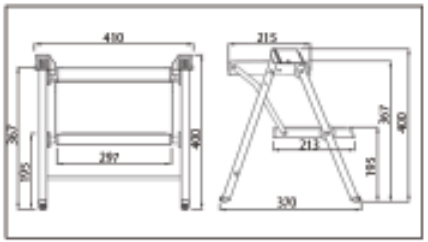


# Vehicle step（double step）

- Exquisite and portable, convenient storage, saving space
- Material: Iron, Plastic








| Standart size: | DOUBLE STEP |
|---|---|
| Open size (L x W x H), cm | 41 x 37 x 40 |
| Folded size (L x W x H), cm | 49 x 41 x 9 |

Awnlux®

# Vehicle ramp



RAMP-M3



RAMP-M2



RAMP-M1







- Made of high-strength alloy aluminum
- Integrated folding design is convenient for storage

| Standart size: | RAMP-M1 | RAMP-M2 | RAMP-M3 |
|---|---|---|---|
| L x W, cm | 183 x 37 | 183 x 77 | 183 x 117 |
| N.W, kgs | 7 | 12 | 19 |

# RV mat









- Easy to clean, anti-mildew, wear-resistant, comfortable, suitable for various outdoor activities.
- Pattern, Color and Size: Customized
- Material: Polypropylene or PP

# RV cover

Awnlux®

Protect your RV from different weather conditions when not in use. Provides protection from sun, humidity, freezing, etc.

- 4 zippers for easy opening and closing
- Material: PP non-woven pp





Class A RV COVER
Sizing (LxWxH), cm

| | |
|---|---|
| CLASS A 549-610 | 610 x 279 x 305 |
| CLASS A 610-732 | 732 x 279 x 305 |
| CLASS A 732-853 | 853 x 279 x 305 |
| CLASS A 853-914 | 914 x 279 x 305 |
| CLASS A 914-1006 | 1006 x 279 x 305 |
| CLASS A 1006-1128 | 1128 x 279 x 305 |
| CLASS A 1128-1219 | 1219 x 279 x 305 |
| CLASS A 1219-1311 | 1311 x 279 x 305 |





Travel Trailer Cover
Sizing (LxWxH), cm

| | |
|---|---|
| 427-488 | 498 x 259 x 264 |
| 488-549 | 559 x 259 x 264 |
| 549-610 | 625 x 259 x 264 |
| 610-671 | 686 x 259 x 264 |
| 671-732 | 742 x 259 x 264 |
| 732-823 | 838 x 259 x 264 |
| 823-914 | 930 x 259 x 264 |
| 914-1006 | 1021 x 259 x 264 |
| 1006-1067 | 1079 x 259 x 264 |
| 1067-1158 | 1173 x 259 x 264 |



# Foldable table and chair

- Made of frosted aluminum oxide, lightweight and durable
- No fading, no rust, stable and flat









| Standart size: | TABLE | CHAIR |
|---|---|---|
| Open size (L x W x H), cm | 118/70/50 x 60 x 70 | 25 x 29 x 39 |
| Folded size (L x W x H), cm | 59 x 70 x 11,5 | 45 x 29 x 4,5 |

# Cooler

- Long-term preservation of cold and hot dual-use, effectively locks fresh and have large capacity
- It can meet the needs of multi-person gatherings
- 5 days fresh time









Standart size:

| | |
|---|---|
| External (L x W x H), cm | 50 x 35 x 35 |
| Inner (L x W x H), cm | 37 x 22 x 26 |

# RV solar panels list

| PRODUCT & MARK | | POWER, W | DIMMENSIONS, mm |
|---|---|---|---|
|  | **Solar-panel-flexible-95W-12V-KVM6C**<br>mono,<br>core material: plastic;<br>colour: white, black | 95 | 1065x530x3,5 |
|  | **Solar-panel-flat-95W-12V-KVM5**<br>mono,<br>core material: flexible glas;<br>colour: white, black<br>*!! Slightly bendable !!* | 95 | 1065x530x3,5 |
|  | **Solar-panel-flexible-100W-12V-KVM5**<br>mono,<br>core material: plastic;<br>colour: white, black | 100 | 1195x530x3,5 |
|  | **Solar-panel-flat-100W-12V-KVM5**<br>mono,<br>core material: flexible glas;<br>colour: white, black<br>*!! Slightly bendable !!* | 100 | 1195x530x3,5 |
|  | **Solar-panel-flexible-110W-12V-KVM6C**<br>mono,<br>core material: plastic;<br>colour: white, black | 110 | 1195x530x3,6 |

| PRODUCT & MARK | | POWER, W | DIMMENSIONS, mm |
|---|---|---|---|
|  | **Solar-panel-flat-110W-12V-KVM6C**<br>mono,<br>core material: flexible glas;<br>colour: white, black<br>*!! Slightly bendable !!* | 110 | 1195x530x3,7 |
|  | **Solar-panel-flexible-125W-12V-KVM6C**<br>mono,<br>core material: plastic;<br>colour: white, black | 125 | 1040x673x3,8 |
|  | **Solar-panel-Frame-100W-12V-KVM5**<br>mono, with frame;<br>colour: gray, white, black | 100 | 1070x536x40 |
|  | **Solar-panel-Framen-120W-12V-KVM5**<br>mono, with frame;<br>colour: white, black | 120 | 1196x536x40 |
|  | **Solar-panel-Frame-135W-12V-KVM6C**<br>mono, with frame;<br>colour: white, black | 135 | 1336x536x40 |

| | PRODUCT & MARK | POWER, W | DIMMENSIONS, mm |
|---|---|---|---|
|  | **Solar-panel-Frame-140W-12V-KVM5**<br>mono, with frame;<br>colour: gray, black | 140 | 1586x536x40 |
|  | **Solar-panel-Frame-150W-2in1-KVM6C**<br>mono, with frame;<br>colour: gray, black | 150 | 1586x536x40 |
|  | **Solar-panel-Frame-155W-12/24V-KVM6C**<br>mono, with frame;<br>colour: gray, black | 155 | 1196x679x40 |
|  | **Solar-panel-Frame-160W-12/24V-KVM6C**<br>mono, with frame;<br>colour: gray, black | 160 | 1586x536x40 |
|  | **Solar-panel-Frame-200W-12V-KVM6**<br>mono, with frame;<br>colour: white, black | 200 | 1504x679x40 |

| PRODUCT & MARK | | POWER, W | DIMMENSIONS, mm |
|---|---|---|---|
|  | **Solar-panel-Frame-200W-12V-KVM6Q**<br>mono, with frame;<br>colour: white, black | 200 | 1022x1004x40 |
|  | **Solar-panel-Frame-220W-12V-KVM6**<br>mono, with frame;<br>colour: white, black | 220 | 1667x679x40 |
|  | **Solar-panel-Frame-220W-12V-KVM6Q**<br>mono, with frame;<br>colour: white, black | 220 | 1335x850x40 |
|  | **Solar-panel-foldable-100W-12V-KVM5**<br>mono, solar cable powerflex RV-K 2 x 2,5mm²;<br>6 m for foldable solar | 100 | unfolded:<br>1190x550x10<br>folded:<br>585x550x40 |
|  | **Solar-panel-foldable-125W-12V-KVM6C**<br>mono, solar cable powerflex RV-K 2 x 2,5mm²;<br>6 m for foldable solar | 125 | unfolded:<br>1385x540x10<br>folded:<br>490x540x40 |

| PRODUCT & MARK | | POWER, W | DIMMENSIONS, mm |
|---|---|---|---|
|  | **Solar-panel-foldable-190W-12V-KVM6**<br>mono, solar cable powerflex RV-K 2 x 2,5mm²;<br>6 m for foldable solar | 190 | unfolded:<br>1600x700x10<br>folded:<br>700x560x40 |
|  | **Solar-panel-foldable-200W-12/24V-KVM6C**<br>mono, solar cable powerflex RV-K 2 x 2,5mm²;<br>6 m for foldable solar | 200 | unfolded:<br>1645x708x10<br>folded:<br>708x580x40 |
|  | **Solar-panel-superflat-100W-12V-KVM5**<br>mono, without frame, solar cable 5m;<br>colour: white, black | 100 | 1064x530x4,5 |
|  | **Solar-panel-superflat-120W-12V-KVM6C**<br>mono, without frame, solar cable 5m;<br>colour: white, black | 120 | 1190x530x4,5 |
|  | **Solar-panel-superflat-140W-12V-KVM5**<br>mono, without frame, solar cable 5m;<br>colour: white, black | 140 | 1582x530x4,5 |

| PRODUCT & MARK | | POWER, W | DIMMENSIONS, mm |
|---|---|---|---|
|  | **Solar-panel-superflat-155W-12/24V-KVM6C**<br>mono, without frame, solar cable 5m;<br>colour: white, black | 155 | 1190x673x4,5 |
|  | **Solar-panel-superflat-200W-12V-KVM6**<br>mono, without frame, solar cable 5m;<br>colour: white, black | 200 | 1498x673x4,4 |
|  | **Solar-panel-superflat-200W-12V-KVM6Q**<br>mono, without frame, solar cable 5m;<br>colour: white, black | 200 | 1016x998x4,5 |
|  | **Solar-panel-superflat-220W-12V-KVM6**<br>mono, without frame, solar cable 5m;<br>colour: white, black | 220 | 1661x673x4,5 |
|  | **Solar-panel-superflat-220W-12V-KVM6Q**<br>mono, without frame, solar cable 5m;<br>colour: white, black | 220 | 1344x844x4,5 |

SOLARA®
module. komponenten. systeme

# RV solar panels & spare parts

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The most beautiful spots on earth have no socket. With SOLARA you can still enjoy your vacation wherever you like it. Solar power gives you the freedom you dreamed of once you bought your camper or yacht.

Whether radio mast, navigation marks or a hospital at the end of the world. Electricity is needed everywhere. Professional solar systems from SOLARA can provide reliable energy.

Anyone who has successfully produced solar technology for so long has probably done everything right. Our customers are satisfied because we supply long-lasting and reliable solar systems. Only the latest technologies and materials being used to make our products more productive.

All SOLARA solar panels are produced in Germany. Only then short and CO2 reduced deliveries are possible. Product innovations can be implemented easily and quickly. German engineering guarantees consistently high quality.

SOLARA are Engineers with long experience and great passion for solar technology. Hamburg business people, whom have the pleasure to deliver solar systems reliably and safely anywhere in the world.



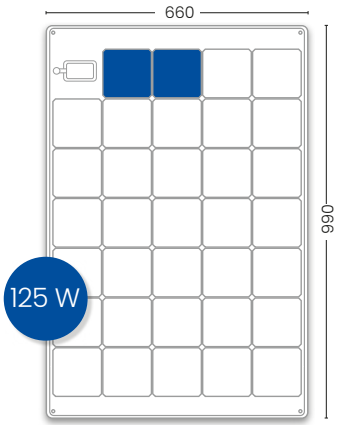




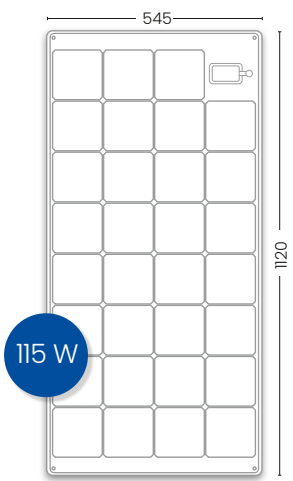

KÖNIG KUNDE AWARD 2021
2. PLATZ
IN DER ZUBEHÖR-KATEGORIE
SOLARANLAGE
REISE MOBIL
KÖNIG KUNDE AWARD 2019
1. PLATZ
IN DER ZUBEHÖR-KATEGORIE
SOLARANLAGE
REISE MOBIL
KÖNIG KUNDE AWARD 2022
3. PLATZ
IN DER ZUBEHÖR-KATEGORIE
SOLARANLAGE
REISE MOBIL

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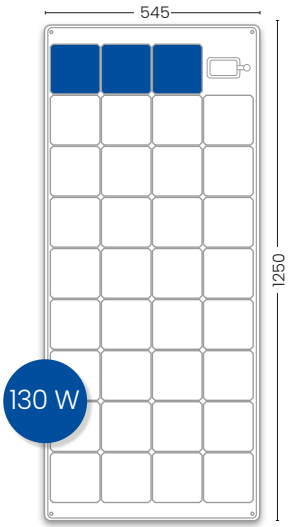
# SOLARA Power M-Series



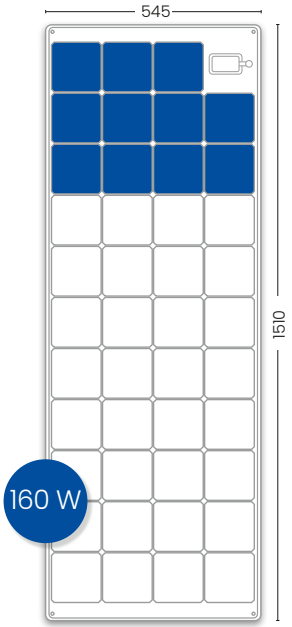
S555M34



S515M31



S575M35



S705M43

## PERFORMANCE

| Type | S555M34 | S515M31 | S575M35 | S705M43 |
|---|---|---|---|---|
| Daily output in summer in Germany (Ø) Wh/d | 555 | 515 | 575 | 705 |
| Rated output[1] (Pmpp) Wp | 125 | 115 | 130 | 160 |
| Short-circuit current (Isc) A | 6.40 | 6.40 | 6.40 | 6.40 |
| Open-circuit voltage (Uoc) V | 24.82 | 22.63 | 25.55 | 31.39 |
| Voltage(Umpp) V | 21.08 | 19.22 | 21.70 | 26.66 |
| Current (Impp) A | 6.04 | 6.04 | 6.04 | 6.04 |
| No. of cells | 34 | 31 | 35 | 43 |

[1] Performance at STC, Standard Testing Conditions: 1000 W/m², AM 1,5, cell temperature 25° C

# HIGHEST DAILY YIELDS BY SUNPOWER CELLS

- Solar cells with over 23% efficiency
- Additional solar cells for efficient charging
- Highest yields in every season due to excellent low-light performance - even in diffused light
- Designed and manufactured for permanent use on water and on land
- All materials withstand extreme heat, high humidity, sea and salt water
- External cell protector with protection diodes included
- Extremely flat module construction with aluminium sandwich support plate
- Flat, glued and screwed cable outlet with strain relief
- Fully walkable on firm ground
- Cable lead-through already prepared in the carrier plate
- Manufactured exclusively in Germany







## Dimensions and weight

| | | | | |
|---|---|---|---|---|
| Dimensions (L x W x H) mm | 990 x 660 x 4 | 1120 x 545 x 4 | 1250 x 545 x 4 | 1510 x 545 x 4 |
| Weight kg | 4.2 | 3.6 | 4.4 | 5.2 |
| Cell dimensions mm | 125 x 125 | 125 x 125 | 125 x 125 | 125 x 125 |

## Thermal properties

| | |
|---|---|
| TK Pmpp %/°C | -0.29 |
| TK Uoc mV/°C | -1.74 |
| TK Isc mA/°C | 2.90 |
| NOCT °C | 46 ± 2 |

## Used materials

| | |
|---|---|
| Cell technology | Sunpower, monocrystalline with back contact |
| Front/back | ETFE front and back side foil, welded at the edge |
| Cable outlet | Solid, flat, seawater tight, glued and screwed |
| Connecting cable | 3 m, 2 x 2.5 mm $^2$ |

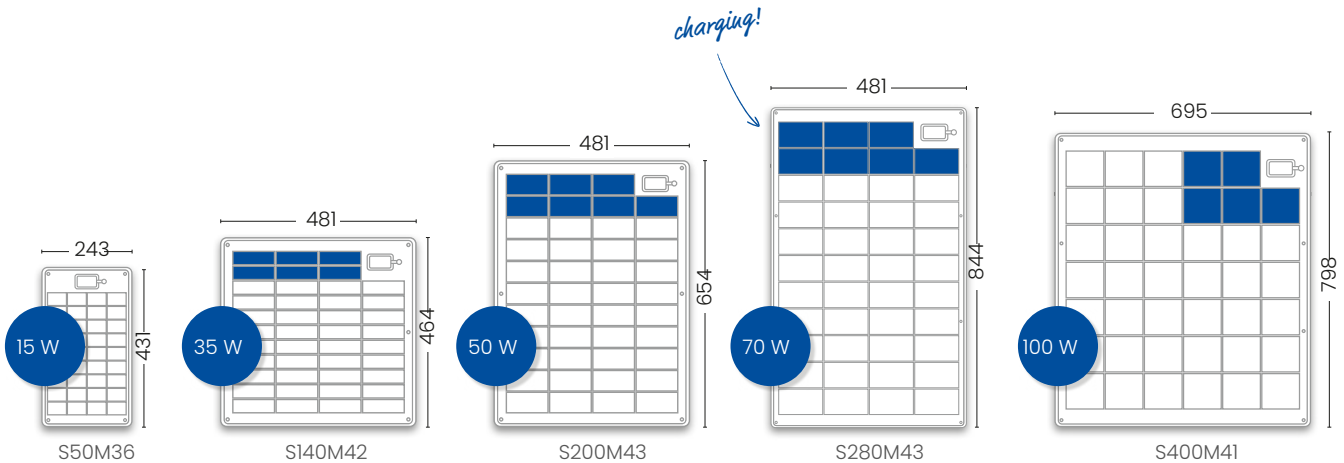
## More technical data

| | |
|---|---|
| Reverse current IR loadability | 12 A |
| Measuring accuracy Pmpp at STC | ± 5 % |
| Operating temperature range | -40°C to +85°C |

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SOLARA®
QUALITY

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# SOLARA M-Series




## PERFORMANCE

| Type | S50M36 | S140M42 | S200M43 | S280M43 | S400M41 |
|---|---|---|---|---|---|
| Daily output in summer in Germany (Ø) Wh/d | 50 | 140 | 200 | 280 | 400 |
| Rated output[1](Pmpp) Wp | 15 | 35 | 50 | 70 | 100 |
| Short-circuit current (Isc) A | 0.72 | 1.44 | 2.15 | 2.85 | 4.29 |
| Open-circuit voltage (Uoc) V | 24.48 | 28.56 | 29.24 | 29.24 | 27.88 |
| Voltage(Umpp) V | 20.88 | 24.36 | 24.94 | 24.94 | 23.87 |
| Current (Impp) A | 0.69 | 1.38 | 2.05 | 2.72 | 4.10 |
| No. of cells | 36 | 42 | 43 | 43 | 41 |

[1] Performance at STC, Standard Testing Conditions: 1000 W/m², AM 1,5, cell temperature 25° C

# EXTREMELY FLAT, WALKABLE AND SEMI-FLEXIBLE

- Stability and maximum heat dissipation due to innovative aluminium-sandwich support plate
- Additional solar cells for efficient charging
- Maximum daily yield due to additional single cells
- All materials withstand extreme heat, high humidity, sea and salt water
- Teflon-type extremely resistant protective film on front and back
- Flat, glued and screwed cable outlet with strain relief
- Cell protector with external protection diodes included
- Cable lead-through already prepared in the carrier plate
- Manufactured exclusively in Germany

5 years product guarantee*

Quality Made in Germany

## Dimensions and weight

| | | | | | |
|---|---|---|---|---|---|
| Dimensions (L x W x H) mm | 431 x 243 x 4 | 464 x 481 x 4 | 654 x 481 x 4 | 844 x 481 x 4 | 798 x 695 x 4 |
| Weight kg | 0.9 | 1.7 | 2.2 | 2.8 | 3.7 |
| Cell dimensions mm | 52 x 35 | 104 x 35 | 104 x 52 | 104 x 69 | 104 x 104 |

## Thermal properties

| | |
|---|---|
| TK Pmpp %/K | -0.39 |
| TK Uoc %/K | -0.30 |
| TK Isc %/K | 0.06 |
| NOCT °C | 46 ± 2 |

## Used materials

| | |
|---|---|
| Cell technology | Monocrystalline cells |
| Front/back | ETFE front and back side foil, welded at the edge |
| Cable outlet | Solid, small, flat, seawater-tight, glued and screwed |
| Hotspot protector (external) | Enclosed with S200M43, S280M43 and S400M41 |
| Connecting cable | 3 m, 2 x 1.5mm² oder 3 x 1.5mm² |

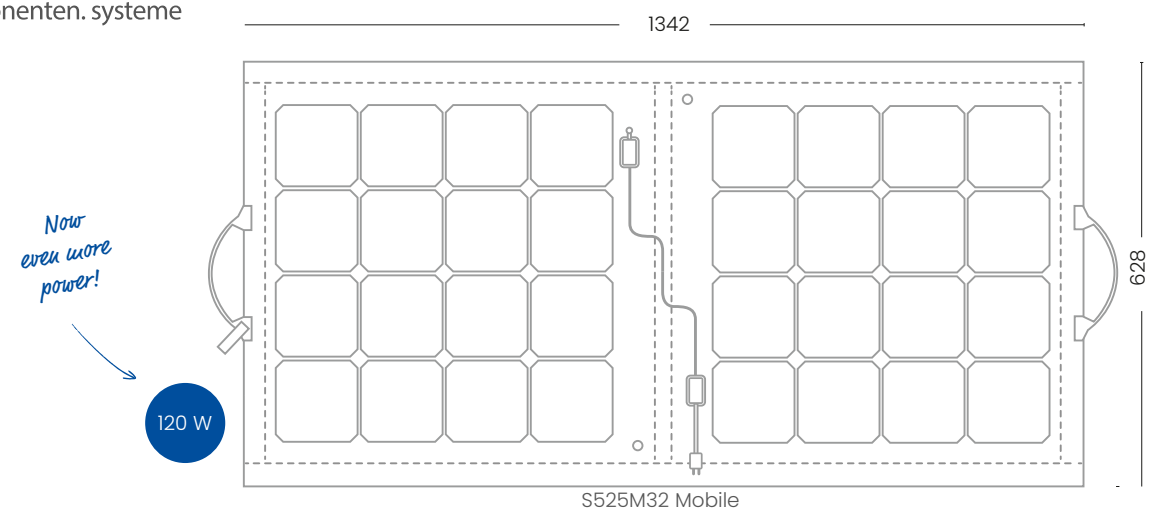
## More technical data

| | |
|---|---|
| Reverse current IR loadability | 12 A |
| Measuring accuracy Pmpp at STC | ± 5 % |
| Operating temperature range | -40°C to +85°C |

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# SOLARA Power Mobile




S525M32 Mobile

## PERFORMANCE

| Type | S525M32 Mobile |
|---|---|
| Daily output in summer in Germany (Ø) Wh/d | 525 |
| Rated output[1](Pmpp) Wp | 120 |
| Short-circuit current (Isc) A | 6.40 |
| Open-circuit voltage (Uoc) V | 22.63 |
| Voltage(Umpp) V | 19.22 |
| Current (Impp) A | 6.04 |
| No. of cells | 32 |

[1] Performance at STC, Standard Testing Conditions: 1000 W/m², AM 1,5, cell temperature 25° C

# PLUG & PLAY WITH CABLE CHARGE CONTROLLER

- Flexible use thanks to innovative, fully encircling fabric bordure
- Eyelets, Loxx buttons, velcro or zipper can be retrofitted
- Space-saving stowage due to foldable module surface
- Effective battery charging even when the vehicle is in the shade
- Extremely high output by the use of Sunpower cells with 23 % efficiency
- All materials withstand extreme heat, high humidity, sea and salt water
- Manufactured exclusively in Germany

5 years product guarantee*

Quality Made in Germany

## Dimensions and weight

| | |
|---|---|
| Dimensions opened (L x W x H) mm | 1342 x 628 x 6 |
| Dimensions folded (L x W x H) mm | 685 x 628 x 25 |
| Weight kg | 4.9 |
| Cell dimensions mm | 125 x 125 |

## Thermal properties

| | |
|---|---|
| TK Pmpp %/°C | -0.29 |
| TK Uoc mV/°C | -1.74 |
| TK Isc mA/°C | 2.90 |
| NOCT °C | 46 ± 2 |

## Used materials

| | |
|---|---|
| Cell technology | Sunpower, monocrystalline with back contact |
| Front/back | ETFE front and back side foil, welded at the edge |
| Cable outlet | Solid, small, flat, seawater-tight, glued and screwed |

## More technical data

| | |
|---|---|
| Reverse current IR loadability | 12 A |
| Measuring accuracy Pmpp at STC | ± 5 % |
| Operating temperature range | -40°C to +85°C |

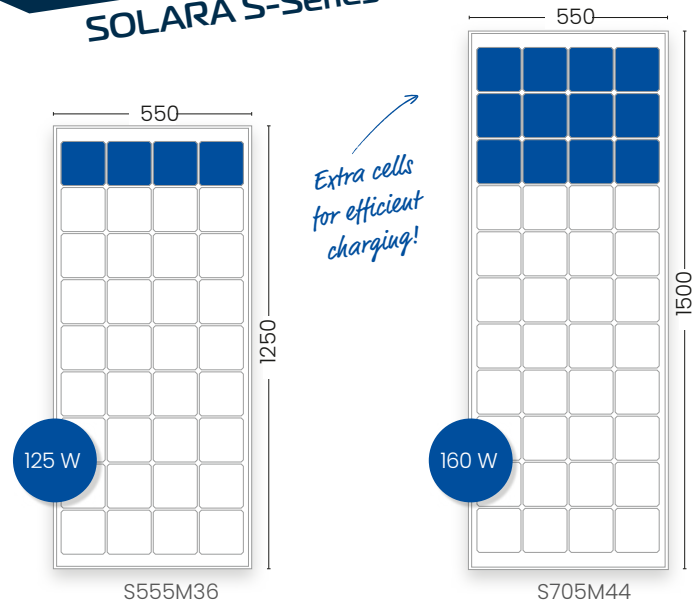
Scope of delivery: Cable charge controller Fox-062 (for Gel, AGM and Li-batteries), Cable 5 m with SureSeal plugs pre-mounted

Options: Extension cable with SureSeal plugs 5 m, Eyelet set, Loxx buttons, magnet sets

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# SOLARA S-Series




## PERFORMANCE

| Type | S555M36 | S705M44 |
|---|---|---|
| Daily output in summer in Germany (Ø) Wh/d | 555 | 705 |
| Rated output[1](Pmpp) Wp | 125 | 160 |
| Short-circuit current (Isc) A | 6.87 | 6.42 |
| Open-circuit voltage (Uoc) V | 24.68 | 31.05 |
| Voltage(Umpp) V | 19.08 | 26.65 |
| Current (Impp) A | 6.56 | 6.01 |
| No. of cells | 36 | 44 |

[1] Performance at STC, Standard Testing Conditions: 1000 W/m², AM 1,5, cell temperature 25° C

# HIGHEST DAILY SUPPLY BY SUNPOWER CELL

- Increased number of cells for maximum daily yield
- Solar cells with over 23 % efficiency
- Additional solar cells for efficient charging
- Use of 2.0 mm thick, scratch-resistant, thermally tempered solar glass
- Excellent mechanical strength thanks to the torsion-resistant module frame
- Large, waterproof junction box with connection cable, MC4 compatible
- Specially designed for long-term use in extreme heat and high humidity
- Manufactured exclusively in Germany

5 years product guarantee*

Quality Made in Germany

## Dimensions and weight

| | | |
|---|---|---|
| Dimensions (L x W x H) mm | 1250 x 550 x 35 | 1500 x 550 x 35 |
| Weight kg | 6.6 | 9.5 |
| Cell dimensions mm | 125 x 125 | 125 x 125 |

## Thermal properties

| | |
|---|---|
| TK Pmpp %/°C | -0.29 |
| TK Uoc mV/°C | -1.74 |
| TK Isc mA/°C | 2.90 |
| NOCT °C | 46 ± 2 |

## Used materials

| | |
|---|---|
| Cell technology | Sunpower, monocrystalline with back contact |
| Frontside | Tempered solar glass |
| Frame | Anodized aluminium hollow profile, silver |
| Junctionbox | IP67 with MC4 compatible connectors |

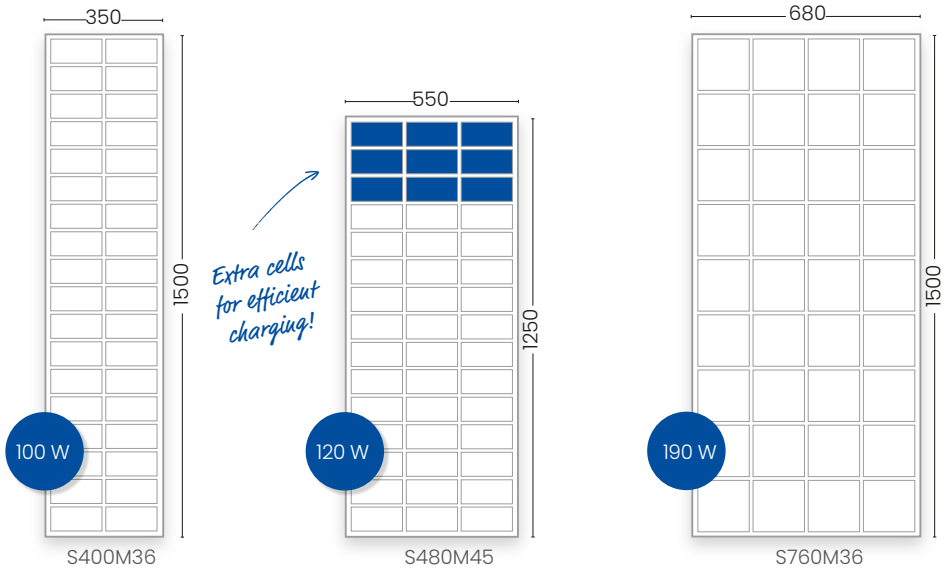
## More technical data

| | |
|---|---|
| Reverse current IR loadability | 12 A |
| Measuring accuracy Pmpp at STC | ± 5 % |
| Operating temperature range | -40°C to +85°C |
| Glass thickness | 2.0 mm |

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# SOLARA Power S-Series




## PERFORMANCE

| Type | S400M36 | S480M45 | S760M36 |
|---|---|---|---|
| Daily output in summer in Germany (Ø) Wh/d | 400 | 480 | 760 |
| Rated output[1](Pmpp) Wp | 100 | 120 | 190 |
| Short-circuit current (Isc) A | 5.04 | 4.89 | 10.09 |
| Open-circuit voltage (Uoc) V | 24.16 | 29.94 | 24.14 |
| Voltage (Umpp) V | 20.70 | 25.65 | 20.13 |
| Current (Impp) A | 4.83 | 4.68 | 9.44 |
| No. of cells | 36 | 45 | 36 |

[1] Performance at STC, Standard Testing Conditions: 1000 W/m², AM 1,5, cell temperature 25° C

# ROBUST AND RELIABLE DEVELOPED FOR MOBILE APPLICATIONS

- Solar modules with 36/45 high-performance solar cells
- Additional solar cells for efficient charging (S480M45 only)
- Designed and manufactured for permanent use on water and on land
- Robust, seawater-resistant, torsion-resistant aluminium profile frame
- Drainage holes to prevent frost damage
- Large, waterproof junction box with connection cable, MC4 compatible
- Manufactured exclusively in Germany

5 years product guarantee*

Quality Made in Germany

## Dimensions and weight

| | | | |
|---|---|---|---|
| Dimensions (L x W x H) mm | 1500 x 350 x 35 | 1250 x 550 x 35 | 1500 x 680 x 35 |
| Weight kg | 7.9 | 6.6 | 9.3 |
| Cell dimensions mm | 156 x 78 | 156 x 78 | 156 x 156 |

## Thermal properties

| | |
|---|---|
| TK Pmpp %/°C | -0.42 |
| TK Uoc mV/°C | -0.32 |
| TK Isc mA/°C | 0.04 |
| NOCT °C | 46 ± 2 |

## Used materials

| | |
|---|---|
| Cell technology | Monocrystalline PERC |
| Frontside | Tempered solar glass |
| Frame | Anodized aluminium hollow profile, black |
| Junctionbox | IP67 with MC4 compatible connectors |

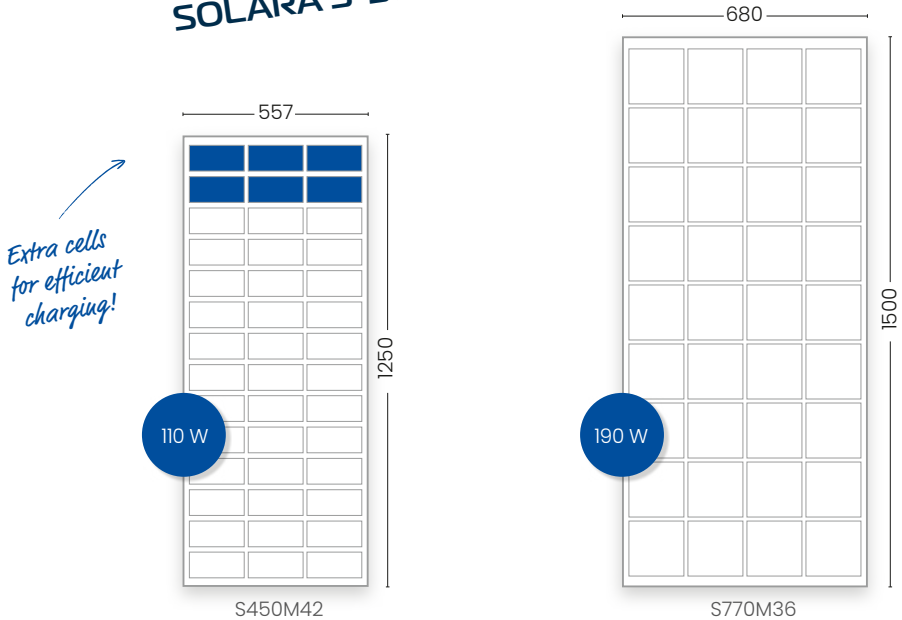
## More technical data

| | |
|---|---|
| Reverse current IR loadability | 12 A |
| Measuring accuracy Pmpp at STC | ± 5 % |
| Operating temperature range | -40°C to +85°C |
| Glass thickness | 3.2/2.0 mm |

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# SOLARA S-Series Vision




## PERFORMANCE

| Type | S450M42 | S770M36 |
|---|---|---|
| Daily output in summer in Germany (Ø) Wh/d | 440 | 760 |
| Rated output[1](Pmpp) Wp | 110 | 190 |
| Short-circuit current (Isc) A | 4.95 | 10.09 |
| Open-circuit voltage (Uoc) V | 27.62 | 24.14 |
| Voltage (Umpp) V | 23.50 | 20.13 |
| Current (Impp) A | 4.68 | 9.44 |
| No. of cells | 42 | 36 |

[1] Performance at STC, Standard Testing Conditions: 1000 W/m², AM 1,5, cell temperature 25° C

# INDESTRUCTIBLE DUE TO UNIQUE GLASS/GLASS TECHNOLOGY

- Fully walkable
- Additional solar cells for efficient charging (S450M42 only)
- Robust, seawater-resistant aluminium profile frame
- Tropical roof capable and OFF-ROAD use suitable
- Large, waterproof junction box with connection cable, MC4 compatible
- Suitable for use even under extreme climatic conditions
- Designed and manufactured for permanent use on water and on land
- Manufactured exclusively in Germany

5 years product guarantee*

Quality Made in Germany

## Dimensions and weight

| | | |
|---|---|---|
| Dimensions (L x W x H) mm | 1250 x 557 x 35 | 1500 x 680 x 35 |
| Weight kg | 9.4 | 13.5 |
| Cell dimensions mm | 156 x 78 | 156 x 156 |

## Thermal properties

| | |
|---|---|
| TK Pmpp %/K | -0.42 |
| TK Uoc mV/K | -0.32 |
| TK Isc mA/K | 0.04 |
| NOCT °C | 46 ± 2 |

## Used materials

| | |
|---|---|
| Cell technology | Monocrystalline PERC |
| Front/back | Tempered solar glass |
| Frame | Anodized aluminium hollow profile, black |
| Junctionbox | IP67 with MC4 compatible connectors |

## More technical data

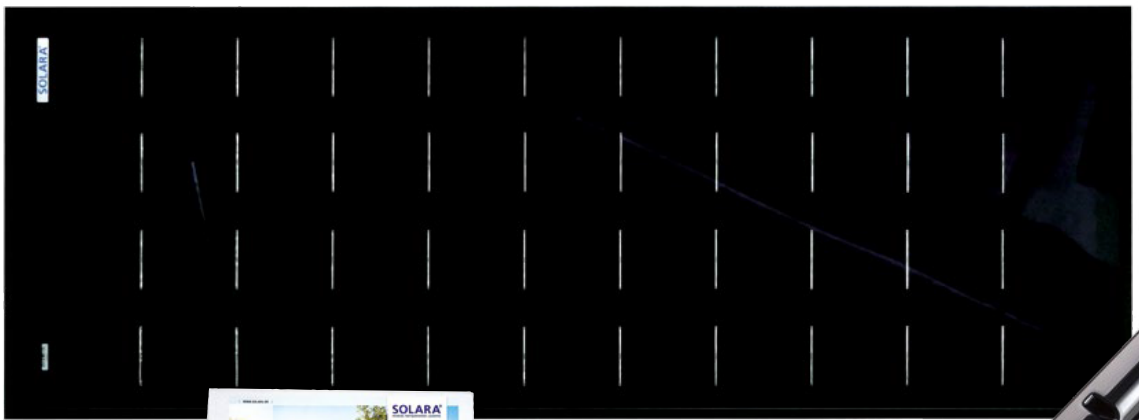
| | |
|---|---|
| Reverse current IR loadability | 12 A |
| Measuring accuracy Pmpp at STC | ± 5 % |
| Operating temperature range | -40°C to +85°C |
| Glass thickness | 2 x 2 mm |

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# SOLARA Power Pack

For those who need a lot of power.
















# MAXIMUM PERFORMANCE ON SMALLEST AREA

- SOLARA Power S series modules with black frame profile
- MPPT charge controller, Victron 15 A / 20 A / 30 A, incl. Bluetooth for remote access via Smartphone
- ABS spoiler, in black, specially coated, UV-resistant, incl. screws
- ABS roof grommet, in black, for watertight cable feedthrough
- Special adhesive set SOLARA FIX PACK for bonding the spoiler and roof grommet
- Module connection cable with UV-resistant sheath and MC4 plug-in system
- Substantial installation instruction










SOLARA POWER PACKS

| Type | POP01 | POP02 | POP03 | POP04 |
|---|---|---|---|---|
| Power (W) | 125 | 160 | 250 | 320 |
| Daily yield (Wh) | 555 | 705 | 1110 | 1410 |
| Solar panel (Type) | S555M36 | S705M44 | S555M36 | S705M44 |
| No. of solar panels (pc) | 1 | 1 | 2 | 2 |
| Solar panel size L x W x H (mm) | 1250 x 550 x 35 | 1500 x 550 x 35 | 1250 x 550 x 35 | 1500 x 550 x 35 |
| Total length incl. spoiler (mm) | 1400 | 1650 | 2 x 1400 | 2 x 1650 |
| Charger | Victron 15 A | Victron 15 A | Victron 20 A | Victron 30 A |

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# SOLARA Premium Pack MPPT EBL

Charge of starter and consumption battery at the same time.
















## OPTIMALLY SUPPLIED, AS REQUIRED

- SOLARA S series modules with black frame profile
- Votronic MPPT dual-circuit charge controller incl. all necessary adapter cables
- ABS spoiler, in black, special coated, UV-resistant, incl. screws
- ABS roof grommet, in black, for absolutely watertight cable feedthrough
- Special adhesive set SOLARA FIX PACK for bonding the spoiler and roof grommet
- Module connection cable with UV-resistant sheath and MC4 plug-in system
- Substantial installation instruction










SOLARA PREMIUM PACKS MPPT EBL

| Type | PRP01 | PRP02 | PRP03 | PRP04 |
|---|---|---|---|---|
| Power (W) | 120 | 190 | 240 | 380 |
| Daily yield (Wh) | 480 | 760 | 960 | 1520 |
| Solar panel (Type) | S480M45 | S760M36 | S480M45 | S760M36 |
| No. of solar panels (pc) | 1 | 1 | 2 | 2 |
| Solar panel size L x W x H (mm) | 1250 x 550 x 35 | 1500 x 680 x 35 | 1250 x 550 x 35 | 1500 x 680 x 35 |
| Total length incl. spoiler (mm) | 1400 | 1650 | 2 x 1400 | 2 x 1650 |
| Charger | MPP 260CI | MPP 260CI | MPP 260CI | MPP 440CI |

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# SOLARA Premium Pack MPPT

Charge of starter and consumption battery at the same time.



# OPTIMALLY SUPPLIED, AS REQUIRED

- SOLARA S series modules with black frame profile
- MPPT charge controller Votronic 15 A/20 A/30A, incl. Bluetooth for remote access via Smartphone
- ABS spoiler, in black, special coated, UV-resistant, incl. screws
- ABS roof grommet, in black, for absolutely watertight cable feedthrough
- Special adhesive set SOLARA FIX PACK for bonding the spoiler and roof grommet
- Module connection cable with UV-resistant sheath and MC4 plug-in system
- Substantial installation instruction










SOLARA PREMIUM PACKS MPPT

| Type | PRP05 | PRP06 | PRP07 | PRP08 |
|---|---|---|---|---|
| Power (W) | 120 | 190 | 240 | 380 |
| Daily yield (Wh) | 480 | 760 | 960 | 1520 |
| Solar panel (Type) | S480M45 | S760M36 | S480M45 | S760M36 |
| No. of solar panels (pc) | 1 | 1 | 2 | 2 |
| Solar panel size L x W x H (mm) | 1250 x 550 x 35 | 1500 x 680 x 35 | 1250 x 550 x 35 | 1500 x 680 x 35 |
| Total length incl. spoiler (mm) | 1400 | 1650 | 2 x 1400 | 2 x 1650 |
| Charger | Victron 15 A | Victron 15 A | Victron 20 A | Victron 30 A |

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# SOLARA Profi Pack

Price/ performance winner!



# POWERFUL SET WITH 20 A CHARGE CONTROLLER

- SOLARA S series module(s) with silver frame profile
- SOLARA charge controller, 20 A, with LED indicator to indicate battery charge level
- ABS spoiler, in black, special coated, UV-stable, incl. screws
- ABS roof grommet, in black, for absolutely watertight cable feedthrough
- Special adhesive set SOLARA FIX PACK for bonding the spoiler and roof grommet
- Module connection cable with UV-resistant sheath and MC4 plug-in system
- Substantial installation instruction










SOLARA PROFI PACKS

| Type | PP01 | PP02 | PP03 |
|---|---|---|---|
| Power (W) | 120 | 190 | 240 |
| Daily yield (Wh) | 480 | 760 | 960 |
| Solar panel (Type) | S480M45 | S760M36 | S480M45 |
| No. of solar panels (pc) | 1 | 1 | 2 |
| Solar panel size L x W x H (mm) | 1250 x 550 x 35 | 1500 x 680 x 35 | 1250 x 550 x 35 |
| Total length incl. spoiler (mm) | 1400 | 1650 | 2 x 1400 |
| Charger | Solara SR 340 E | Solara SR 340 E | Solara SR 340 E |

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# SOLARA Charge Controllers

Suitable for all battery types.




SR340E




SR180 - 350LCD




SR85TL - SR175TL

## YOUR CONTROL CENTER

We guarantee high reliability, the latest technology and easy installation at low costs. The regulated PWM characteristic guarantees optimized charging. All Solara controllers are so-called series regulators (no shunt) and thus very efficient.
The load output protects your battery from deep discharge. A large and informative LCD display shows the current system status. The SR 350 DUO also offers the possibility to charge two independent battery circuits.

## THE FEATURES

- Automatic detection of battery voltage
- Solar power < 90 - 350 watts
- Electronically protected against overcharging, reverse polarity, overvoltage
- Battery deep discharge protection in each regulator 5 to 20 A
- Battery type selector (except SR 340 E)
- LED indicator for battery status
- Metal housing IP65 (SR 340 E)
- Charges two parallel battery circuits (SR 350 DUO)
- USB port for charging (SR 180/350 LCD)
- Lithium-ready (SR XXX LCD/DUO)
- Low self-consumption < 4 mA










| Type | Solar panel power (W) | Current (A) | Voltage (V) | max. Open-circuit voltage (V) | Meter |
|---|---|---|---|---|---|
| SR 60 UL | 60 | 4 | 12 | 30 | LED |
| SR 85 TL | 90/180 | 5 | 12/24 | 30/50 | LED |
| SR 175 TL | 180/360 | 10 | 12/24 | 30/50 | LED |
| SR 340 E | 340/680 | 20 | 12/24 | 30/50 | LED |
| SR 180 LCD | 180/360 | 10 | 12/24 | 30/50 | LCD |
| SR 350 LCD | 360/700 | 20 | 12/24 | 30/50 | LCD |
| SR 350 DUO | 360/700 | 20 | 12/24 | 30/50 | LCD |

SOLARA®
module. komponenten. systeme

# SOLARA Charge Controllers

Suitable for all battery types.




SR340E




SR180 - 350LCD




SR85TL - SR175TL

## YOUR CONTROL CENTER

We guarantee high reliability, the latest technology and easy installation at low costs. The regulated PWM characteristic guarantees optimized charging. All Solara controllers are so-called series regulators (no shunt) and thus very efficient.
The load output protects your battery from deep discharge. A large and informative LCD display shows the current system status. The SR 350 DUO also offers the possibility to charge two independent battery circuits.

## THE FEATURES

- Automatic detection of battery voltage
- Solar power < 90 - 350 watts
- Electronically protected against overcharging, reverse polarity, overvoltage
- Battery deep discharge protection in each regulator 5 to 20 A
- Battery type selector (except SR 340 E)
- LED indicator for battery status
- Metal housing IP65 (SR 340 E)
- Charges two parallel battery circuits (SR 350 DUO)
- USB port for charging (SR 180/350 LCD)
- Lithium-ready (SR XXX LCD/DUO)
- Low self-consumption < 4 mA










| Type | Solar panel power (W) | Current (A) | Voltage (V) | max. Open-circuit voltage (V) | Meter |
|---|---|---|---|---|---|
| SR 60 UL | 60 | 4 | 12 | 30 | LED |
| SR 85 TL | 90/180 | 5 | 12/24 | 30/50 | LED |
| SR 175 TL | 180/360 | 10 | 12/24 | 30/50 | LED |
| SR 340 E | 340/680 | 20 | 12/24 | 30/50 | LED |
| SR 180 LCD | 180/360 | 10 | 12/24 | 30/50 | LCD |
| SR 350 LCD | 360/700 | 20 | 12/24 | 30/50 | LCD |
| SR 350 DUO | 360/700 | 20 | 12/24 | 30/50 | LCD |




SR und MPP DuoDigital




Votronic Solar Computer S




Smartphone App

## SIMULTANEOUS CHARGING

The VOTRONIC charge controllers are characterized by a high compatibility with many electrical systems in campers. Leading manufacturers install Votronic components and there the solar charge controllers can be perfectly integrated. Two microprocessor-controlled device series are available, the SR and the highly efficient MPP series. Both series are additionally equipped with a charging output for the vehicle starter battery. The spectrum of devices is completed with an energy and power meter for the solar array.

## THE FEATURES

- Recharge and charge retention of vehicle starter battery
- 2 different control methods available, SR and MPP
- High operational safety through microcontroller
- Charging programs for lead-acid, gel, AGM and LiFePO4 batteries adjustabl
- Continuous control, immediate recharging
- Temperature compensation
- 5 LED status indicators on the device
- For all standard solar module
- Optional: Plug and Play power meters LCD Solar Computer S or VPC




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| Type | Solar panel power (W) | Current (A) | Voltage (V) | max. Open-circuit voltage (V) | Meter |
|---|---|---|---|---|---|
| Votronic SR 150 DuoDigital | 150 | 9 | 12 | 28 | LED |
| Votronic SR 220 DuoDigital | 220 | 14 | 12 | 28 | LED |
| Votronic SR 350 DuoDigital | 350 | 21 | 12 | 28 | LED |
| Votronic SR 550 DuoDigital | 550 | 33 | 12 | 28 | LED |
| Votronic MPP 170 DuoDigital | 170 | 10 | 12 | 60 | LED |
| Votronic MPP 260 DuoDigital | 260 | 15 | 12 | 60 | LED |
| Votronic MPP 360 DuoDigital | 360 | 21 | 12 | 60 | LED |
| Votronic MPP 440 DuoDigital | 440 | 26 | 12 | 60 | LED |
| Solar-Computer S | for solar power and current, battery voltage, charged Ah and Wh, compatible with SR- and MPP series | | | | |
| EBL connection cable | | | | | |
| Temp. Sensor 825 | | | | | |
| BT Connector S-BC Bluetooth Connector, inkl. Energy Monitor App | | | | | |

# Victron MPPT Charge Controllers

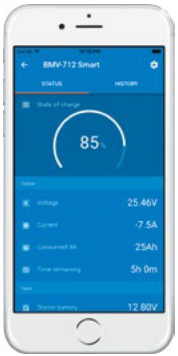
Bluetooth smart integrated.




MPPT 75/15




Smart Shunt




Smartphone App

## ULTRA-FAST MAXIMUM POWER POINT TRACKING (MPPT)

In particular, when the sky is over casted, when the light intensity changes constantly, an extremely fast MPPT controller improves the energy yield by up to 30% compared to PWM charge controllers.
You can remotely control and monitor the extensive features of your SmartSolar MMPT charger by connecting it via Bluetooth with your smartphone or other device via the VictronConnect app.

## THE FEATURES

- Ultrafast Maximum Power Point Tracking (MPPT)
- Advanced maximum power point detection for partial shading
- BatteryLife: intelligent battery management through load shedding
- Load output on the small models
- Automatic battery voltage detection
- Flexible charging algorithms
- Overheating protection and load reduction at high temperatures

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SOLARA®
QUALITY

| Type | Solar panel power (W) | Current (A) | Voltage (V) | max. Open-circuit voltage (V) | Meter |
|---|---|---|---|---|---|
| MPPT 75/10 * | 145/290 | 10 | 12/24 | 75 | LED |
| MPPT 75/15 * | 220/440 | 15 | 12/24 | 75 | LED |
| MPPT 100/15 * | 220/440 | 15 | 12/24 | 100 | LED |
| MPPT 100/20 * | 290/580/870 | 20 | 12/24/48 | 100 | LED |
| MPPT 100/30 * | 440/880 | 30 | 12/24 | 100 | LED |
| MPPT 100/50 * | 700/1400 | 50 | 12/24 | 100 | LED |
| MPPT 150/35 * | 500/1000/2000 | 35 | 12/24/48 | 150 | LED |
| MPPT 150/45 * | 650/1300/2600 | 45 | 12/24/48 | 150 | LED |
| MPPT 150/60 * | 860/1720/3440 | 60 | 12/24/48 | 150 | LED |
| Remote meter BMV700 | for all Victron MPPT controller, incl. 500A Shunt | | | | |
| Remote meter BMV702 | for all Victron MPPT controller, incl. 500A Shunt,shows additional battery voltage | | | | |
| Remote meter BMV712 | for all Victron MPPT controller, incl. 500A Shunt and Bluetooth | | | | |
| Smart Shunt 500A/50mV | Measuring shunt with Bluetooth connection. Can be read out on a smartphone and the app. | | | | |
| more Victron items on request | | | | | |

* Bluetooth integrated




SunSaver 6-20




SunSaver Duo




EcoPulse mit Display

## PROFESSIONAL BATTERY CHARGING

A broad performance spectrum, innovative functions, robust design and high efficiency characterize the MorningStar solar charge controllers. ISO9001 manufacturing, quality control with 100% functional testing ensure quality, reliability and longevity in the application. Over 2 million devices are installed in over 112 countries until today.

## THE FEATURES

- Epoxy resin-moulded board
- For gel-type and AGM batteries
- With temperature sensor and deep discharge protection
- Built-in or remote display available
- PWM charging characteristic, Series design
- Automatic 12/24 V detection
- All fuses electronically
- Low self-consumption < 8 mA
- Top quality with 5 years guarantee, EcoPulse 2 years







| Type | Solar panel power (W) | Current (A) | Voltage (V) | max. Open-circuit voltage (V) | Meter |
|---|---|---|---|---|---|
| SunSaver 6L | 110 | 6 | 12 | 25 | LED |
| SunSaver 10L | 170 | 10 | 12 | 25 | LED |
| SunSaver 20L | 340 | 20 | 12 | 25 | LED |
| SunSaver Duo Basic | 425 | 25 | 12 | 30 | LED |
| SunSaver Duo | 425 | 25 | 12 | 30 | LCD |
| EcoPulse 10 | 170/340 | 10 | 12/24 | 60 | LED |
| EcoPulse 10M | 170/340 | 10 | 12/24 | 60 | LCD |
| EcoPulse 20 | 340/680 | 20 | 12/24 | 60 | LED |
| EcoPulse 20M | 340/680 | 20 | 12/24 | 60 | LCD |
| EcoPulse 30 | 510/1020 | 30 | 12/24 | 60 | LED |
| EcoPulse 30M | 510/1020 | 30 | 12/24 | 60 | LCD |
| TriStar 45 | 750/1500/3200 | 45 | 12/24/48 | 60 | LED |
| TriStar 60 | 1000/2000/4000 | 60 | 12/24/48 | 60 | LED |

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# Morningstar Charge Controllers

For the highest demands.




SunSaver MPPT



ProStar MPPT mit Display




TriStar MPPT 30/45/60



EcoBoost mit Display

## FOR PROFESSIONALS WHO WANTS MORE

Highest efficiency and high yields with MorningStar MPPT TrackStar technology. Solar voltages of 150 V or 600 V allow the use of large high-performance solar modules. In off-grid, telecommunication, oil, gas, lighting, monitoring and traffic systems, MPPT controllers are mainly used. The various network and communication options make them versatile.

| Type | Solat panel power (W) | Current (A) | System Voltage (V) | max. Open-circuit voltage (V) | Meter |
|---|---|---|---|---|---|
| EcoBoost MPPT 20 | 300/600 | 20 | 12/24 | 120 | LED |
| EcoBoost MPPT 20M | 300/600 | 20 | 12/24 | 120 | LCD |
| EcoBoost MPPT 30 | 400/800 | 30 | 12/24 | 120 | LED |
| EcoBoost MPPT 30M | 400/800 | 30 | 12/24 | 120 | LCD |
| EcoBoost MPPT 40 | 560/1120 | 40 | 12/24 | 120 | LED |
| EcoBoost MPPT 40M | 560/1120 | 40 | 12/24 | 120 | LCD |

## THE FEATURES

- Max. solar open circuit voltage 150 V and 600 V
- Very good yields thanks to TrakStar MPPT technology
- For all battery types, lithium-ready
- Automatic 12/24/48 V detection
- For large systems with up to 60 A solar current
- With temperature sensor and depth discharge protection
- Many network and communication options
- MODBUS protocol
- 200-day data logger
- Programmable via MS-View software
- All fuses electronically
- Robust design without fan
- Top quality with 5 years guarantee







| Type | Solat panel power (W) | Current (A) | System Voltage (V) max. Open-circuit voltage (V) | | Meter |
|---|---|---|---|---|---|
| SunSaver MPPT 15L | 200/400 | 15 | 12/24 | 75 | LED |
| ProStar MPPT 25 | 350/700 | 25 | 12/24 | 120 | LED |
| ProStar MPPT 25M | 350/700 | 25 | 12/24 | 120 | LCD |
| ProStar MPPT 40 | 550/1100 | 40 | 12/24 | 120 | LED |
| ProStar MPPT 40M | 550/1100 | 40 | 12/24 | 120 | LCD |
| TriStar MPPT 30 | 400/800/1600 | 30 | 12/24/48 | 150 | LED |
| TriStar MPPT 45 | 600/1200/2400 | 45 | 12/24/48 | 150 | LED |
| TriStar MPPT 60 | 800/1600/3200 | 60 | 12/24/48 | 150 | LED |

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# Solara ABS - & Aluminium Mounting Spoiler

NEW - available also in aluminum.




## THE OPTIMAL FASTENING

Holding spoilers are the optimal fastening for solar modules. They are available in different colours and are perfect for RV's, camper or caravans. Simply glue instead of screw.
Due to their aerodynamic shape, they are at the same time a mounting system and wind deflector, so that no disturbing noise can occur.
We only use high-quality, specially coated, UV-resistant ABS plastic or anodized aluminum so that our mounting spoilers remain permanently dimensionally stable and colour-stable.

## THE FEATURES

- The optimum combination of functionality and appearance
- About 50 % lighter than other conventional spoilers
- UV-stable
- The aerodynamic shape does not produce any disturbing wind noise
- 100 % recyclable
- All necessary screws included










| SOLARA ABS-mounting spoiler | Art.-No. | Max. solar panel width | Pc/set |
|---|---|---|---|
| Mounting spoilers set | HS35/W | 350 mm | 2 |
| Mounting spoilers set | HS45/W | 450 mm | 2 |
| Mounting spoilers set | HS55/X* | 550 mm | 2 |
| Mounting spoilers set | HS68/X* | 680 mm | 2 |
| Edge spoilers set | HSE/X* | all type of solar panels | 4 |
| Universal mounting spoilers set | HSV/X* | all type of solar panels | 2 |

* X = white or black

| SOLARA Aluminium mounting spoiler | Art.-No. | Max. solar panel width | Pc/set |
|---|---|---|---|
| Mounting spoilers set | AS527/Y* | 527 mm | 2 |
| Mounting spoilers set | AS550/Y* | 550 mm | 2 |
| Mounting spoilers set | AS680/Y* | 680 mm | 2 |

* Y = silver or black

Caution: Installation with the SOLARA FIX PACK only!

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module. komponenten. systeme

# Solara ABS - Roof Grommet & Adhesive Set

Tested, permanently waterproof.


DD1/W


DD2/W


DD1/S


DD2/S

## PROFESSIONAL AERODYNAMIC ROOF GROMMET

The optimum combination of functionality and appearance for the cable entry into the vehicle.A wide adhesive seam and a waterproof PG screw connection facilitate secure installation. Suitable for cable diameters from 4 mm to 13.5 mm. Simply fixed with the ABS special adhesive from our SOLARA FIX PACK and a secure and permanently watertight cable entry to the interior is guaranteed.

## THE FEATURES

- Lightweight
- Aerodynamic shape, there are no disturbing wind noises
- Special coated ABS plastic
- UV-stable
- 100 % recyclable

| Type | Art.-No. | No. of inlets |
|---|---|---|
| Roof grommet | DD1/W | 1 x PG13.5 for 1 cable |
| Roof grommet | DD1/S | 1 x PG13.5 for 1 cable |
| Roof grommet | DD2/W | 2 x PG13.5 for 2 cables |
| Roof grommet | DD2/S | 2 x PG13.5 for 2 cables |




Tested, secured bonding.

5 years product guarantee*

Quality Made in Germany

PROVED SOLARA® QUALITY

## SOLARA ADHESIVE KIT FIX PACK

The ABS special adhesive set is specially developed for the SOLARA ABS-mounting spoilers and roof grommets, aluminium brackets, as well as for bonding the SOLARA M and Power M-series.
The single-component MS polymer adhesive is completely non-toxic.

| Type | Description |
|---|---|
| SOLARA adhesive set Fix Pack | Cartridge 290 ml, primer (Dekavator) cleaning cloth, sanding pad, colour: white |
| SOLARA adhesive set Fix Pack | Cartridge 290 ml, primer (Dekavator) cleaning cloth, sanding pad, colour: black |

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QUALITY


MC4 Y-Set


DS HD-6


Fox 062


DS HD-10


DS H-10


HSP/sw


DS H-6


DC Connect C

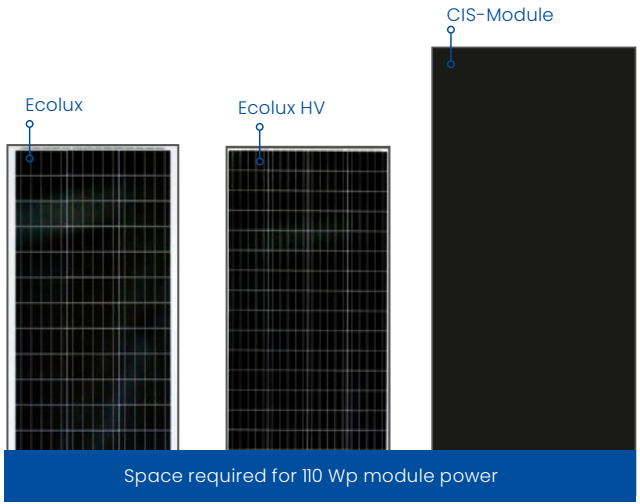

DS Multi


HSP

## EASY TO HANDLE

With the SOLARA accessories, the installation becomes a breeze. High-quality connectors, rugged cables, pre-assembled connection cables, EBL charge controllers - all professional components for quick and easy installation. Our cables are suitable for outdoor use.

| | |
|---|---|
| **Connection cable / connectors** | |
| Dc-Connect-C, 4 $mm^2$ | Connection cable module - controller with MC4 connectors, length 5 m, size 2 x 4 $mm^2$, fits to all Solara and DcSolar modules |
| Dc-Connect-C, 2.5 $mm^2$ | Connection cable module - controller with MC4 connectors, length 5 m, size 2 x 2.5 $mm^2$ fits to all Solara and DcSolar modules |
| Dc-Connect-M | Connection cable for modules with MC4 connectors, length 2 m, size 2 x 4 $mm^2$ |
| Dc-Connect-B | Connection cale charge controller - battery, assembled with fuse and cable lugs, length 1 m, size 2 x 6 $mm^2$ |
| MC4 Y-Set | Y-adapter set for parallel connection of two modules, set with plus and minus |
| MC4 PV Stick | MC4 connectors, DIY, tool-free, set with plus and minus |
| **Charge controller** | |
| Fox-062 | Cable charge controller, max. solar current 8A, system voltage 12V, adjustable to different battery types |
| Cellprotector | Hotspot protector for SOLARA M-Series Modules |
| EBL connection cable | Connection wire for any solar controller with Schaudt EBL |
| **Aluminium brackets** | |
| HSP | Silver aluminium bracket for module mounting, max. module size 1300 x 560 mm, set with 4 brackets, incl. screws |
| HSP400 | Silver aluminium bracket for module mounting, max. module size 1500 x 700 mm, set with 6 brackets, incl. screws |
| HSP/sw | Black aluminium bracket for module mounting, max. module size 1300 x 560 mm, set with 4 brackets, incl. screws |
| HSP400/sw | Black aluminium bracket for module mounting, max. module size 1500 x 700 mm, set with 6 brackets, incl. screws |
| **Deck seals** | |
| Deck seal | Scanstrut DS H-6, for 1 cable, cable diameter 2-6 mm, incl. several sealings |
| Deck seal | Scanstrut DS H-10, for 1 cable, cable diameter 6-10 mm, incl. several sealings |
| Deck seal | Scanstrut DS Multi, several cables, cable diameter up to 15 mm |
| Deck seal | Scanstrut DS-HD6, for 2 cables, cable diameter up to 6 mm max., incl. several sealings |
| Deck seal | Scanstrut DS-HD10, for 2 cables, cable diameter 6-10 mm, incl. several sealings |




## DCSOLAR MODULES FOR ALL CASES

The Ecolux HV-series with its especially for mobile use developed solar cells, has in addition to a natural, higher cell voltage, an excellent low-light and temperature behavior, so that even at low irradiation sufficient voltage is built up to charge the on-board batteries.
If only limited space is available, the Ecolux HV series is the perfect solution as it requires up to 21 % less space than a standard crystalline standard module and even more than 45 % less compared to a thin-film module (e.g. CIS), and that with a weight of just under 8.0 kg compared to the 16.0 kg of a comparable 110 watt CIS module.

## DCSOLAR ALL-IN-ONE SOLUTIONS

Are you looking for a high-quality solar complete set for a fair price?
Then DCsolar products are exactly the right choice!
SOLARA offers with the brand DCsolar optimally assembled complete sets. All necessary components are delivered in a box together with detailed installation instructions, everything plug and play!

## CERTIFICATIONS AND TESTS

- Mechanical stress tests
- Climate test of the entire module
- Degradation test
- Check for micro cracks on the cells

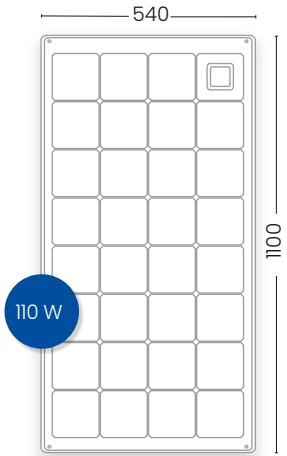




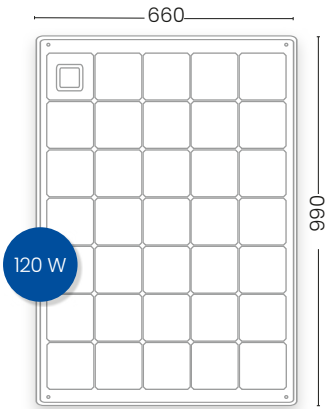

DCsolar
designed by SOLARA®

# DCsolar Power Flex

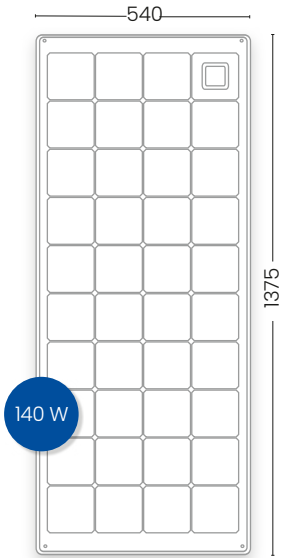
Lightweight, flat & semi-flexible.



E485M31 flex



E525M34 flex



E615M39 flex

## TOP PERFORMANCE - FOR HIGHEST DEMANDS

- Semi-flexible solar module, stable due to a 1.2 mm aluminium support plate
- Lightweight and fully walkable
- Solar cells with over 23 % efficiency
- Fully encapsulated cells by bonding front and back side foils
- Adapts to curved roof surface
- Monocrystalline solar cells with high efficiency
- Highest daily yields on the smallest surface even in low light conditions

## PERFORMANCE

| Type | E485M31 flex | E525M34 flex | E615M39 flex |
|---|---|---|---|
| Daily output in summer in Germany (Ø) Wh/d | 485 | 525 | 615 |
| Rated output * (Pmpp) Wp | 110 | 120 | 140 |
| Short-circuit current (Isc) A | 6.10 | 6.10 | 6.19 |
| Open-circuit voltage (Uoc) V | 22.3 | 24.5 | 28.1 |
| Voltage (Umpp) V | 19.2 | 21.1 | 24.2 |
| Current (Impp) A | 5.70 | 5.70 | 5.79 |
| No. of cells | 31 | 34 | 39 |

* Performance at STC, Standard Testing Conditions: 1000 W/m$^2$, AM 1,5, cell temperature 25° C

## Dimensions and weight

| | | | |
|---|---|---|---|
| Dimensions (L x W x H) mm | 1100 x 540 x 4 | 990 x 660 x 4 | 1375 x 540 x 4 |
| Weight kg | 4.3 | 4.5 | 4.9 |
| Cell dimensions mm | 125 x 125 | 125 x 125 | 125 x 125 |

## Thermal properties

| | |
|---|---|
| TK Pmpp %/°C | -0.29 |
| TK Uoc %/°C | -1.74 |
| TK Isc %/°C | 2,.90 |
| NOCT °C | 46 ± 2 |

## Used materials

| | |
|---|---|
| Cell technology | Sunpower, monocrystalline with back contact |
| Front-/backside | ETFE foil at front and backside, foils welded all along the edge |
| Bypass diodes | Integrated in cable outlet |
| Connection cable | 3 m, 2 x 2.5 mm$^2$ |

## More technical data

| | |
|---|---|
| Reverse current IR | 12 A |
| Measuring accuracy Pmpp at STC | -5 / +10 % |
| Operating temperature range | -40°C to +85°C |

3 years product guarantee*

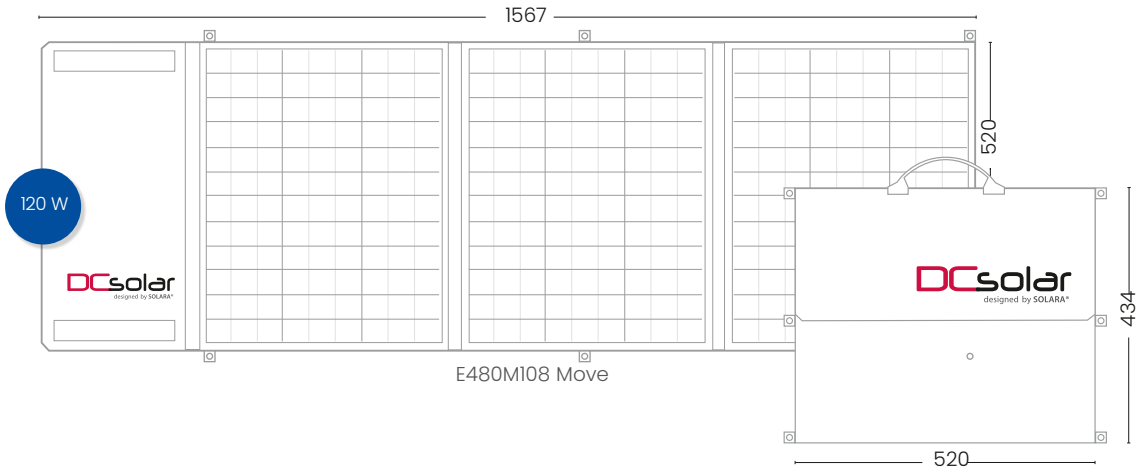
Quality Made in Germany

PROVED DCsolar QUALITY

DCsolar
designed by SOLARA®

# DCsolar Power Move

Small, light, foldable and with lots of power!




## MAXIMUM PERFORMANCE AT THE HIGHEST QUALITY

- Highest daily yields by using Sunpower cells with up to 22 % efficiency
- High yield in every season due to the best low-light behaviour, even in diffused light
- Three modules in one - each with 36 cells per module field - connected in parallel - thus shaddow resistant
- 5 m cable with mobile cable solar charging controller (for Gel, AGM, liquid and Li-batteries) with 12 V car standard plug
- Elegant distinctive design
- Sewn in sturdy textile fabric
- Foldable and portable, small convenient size

## PERFORMANCE

| Type | E480M108 Move |
|---|---|
| Daily output in summer in Germany (Ø) Wh/d | 480 |
| Rated output [1] (Pmpp) Wp | 120 |
| Short-circuit current (Isc) A | 6.36 |
| Open-circuit voltage (Uoc) V | 23.76 |
| Voltage (Umpp) V | 19.80 |
| Current (Impp) A | 6.06 |
| No. of cells | 108 (3 x 36) |

[1] Performance at STC, Standard Testing Conditions: 1000 W/m², AM 1,5 cell temperature 25° C

## Dimensions and weight

| | |
|---|---|
| Dimensions (L x W x H) mm | 1567 x 520 x 35 |
| Weight kg | 4.3 |
| Cell dimensions mm | 158 x 31 |

## Thermal properties

| | |
|---|---|
| TK Pmpp %/°C | -0.42 |
| TK Uoc mV/°C | -0.32 |
| TK Isc mA/°C | 0.04 |
| NOCT °C | 46 ± 2 |

## Used materials

| | |
|---|---|
| Cell technology | Monocrystalline Perc-cells |
| Connection cable | 5 m, 2 x 1.5 mm² |

Scope of delivery: Cable charge controller Fox-062 and 5 m connecting cable
Options: Extension cable with SureSeal plugs 5 m | Loxx buttons | eyelet set with hole punsh | magnet set for metal surfaces or canvas

## More technical data

| | |
|---|---|
| Reverse current IR | 12 A |
| Measuring accuracy Pmpp at STC | -5 / +10 % |
| Operating temperature range | -40°C to +85°C |

3 years product guarantee*

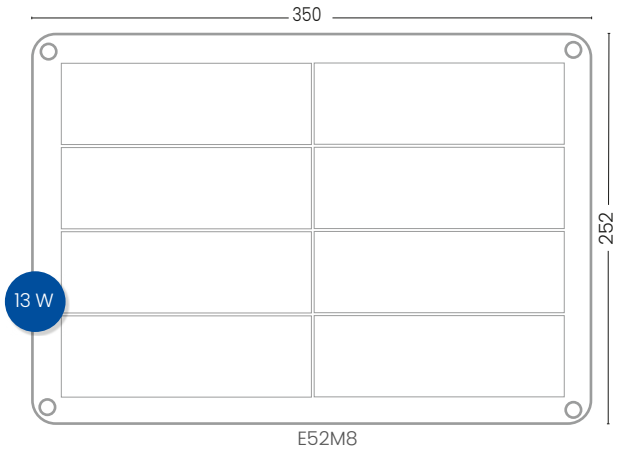
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PROVED DCsolar QUALITY

DCsolar
designed by SOLARA®

# DCsolar OBD-2 Battery Charger

Refresh your engine battery.




## ONE FOR ALL VEHICLES SOLAR CHARGER WITH 13 WATT

- Effective compensation of self discharging
- Specificly developed for RVs, Camper vans etc.
- Solar module can be fixed easily with suction cups to the windshield or dashboard
- Comfortable and easy connection with OBD-2 connector to the vehicle
- Integrated control board to prevent over-charging and discharging
- High efficient and low-light active mono-crystalline solar cells guarantee all year usability
- Extremely robust due to ETFE foils on both sides
- Compact shape, environmental friendly

## PERFORMANCE

| Type | E52M8 |
|---|---|
| Daily output in summer in Germany (Ø) Wh/d | 52 |
| Rated output [1] (Pmpp) Wp | 13 |
| Voltage (Umpp) V | 14.40 |
| Current (Impp) A | 0.90 |
| No. of cells | 8 |

[1] Performance at STC, Standard Testing Conditions: 1000 W/m$^2$, AM 1,5, cell temperature 25° C

## Dimensions and weight

| | |
|---|---|
| Dimensions (L x W x H) mm | 350 x 252 x 4 |
| Weight kg | 0.59 |
| Cell dimensions mm | 158 x 51 |

## Thermal properties

| | |
|---|---|
| TK Pmpp %/°C | -0.42 |
| TK Uoc mV/°C | -0.32 |
| TK Isc mA/°C | 0.04 |
| NOCT °C | 46 ± 2 |

## Used materials

| | |
|---|---|
| Cell technology | Monocrystalline cells |
| Front/back | ETFE foil at front and backside, foils welded all along the edge |
| Connection cable | 2.2 m, OBD2-connector |

Scope of delivery: integrated charge controller, 4x suction cups, safety cord, detailed manual

## More technical data

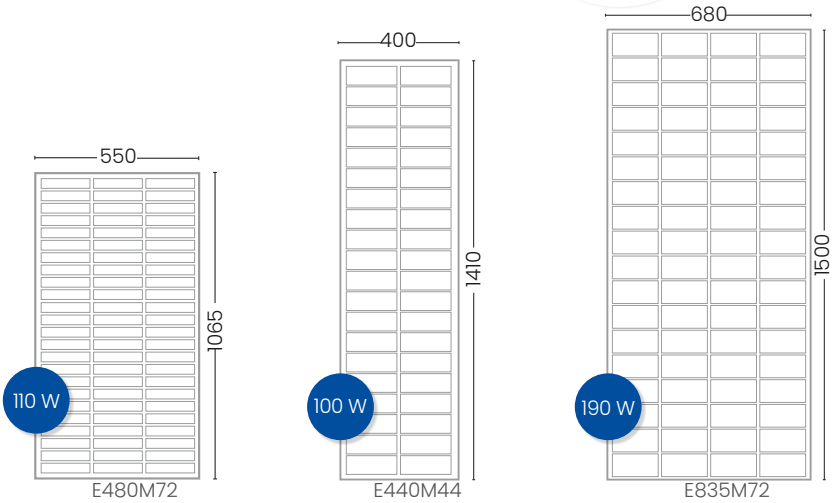
| | |
|---|---|
| Reverse current IR | 12 A |
| Measuring accuracy Pmpp at STC | -5 / +10 % |
| Operating temperature range | -40°C to +85°C |

3 years product guarantee*

DCsolar
designed by SOLARA®

# DCsolar Ecolux HV-Series

More yield through High Voltage!




## TOP PERFORMANCE - DEVELOPED FOR THE HIGHEST DEMANDS

- High-yield MonoPerc solar cells with > 22 % efficiency
- 44/72 cells for maximum yields in combination with MPPT controllers
- Best low light performance
- Temperature stable voltage
- Stable black hollow chamber profile frame
- Original MC4 connector
- High transmissive solar glass

## PERFORMANCE

| Type | E480M72 | E440M44 | E835M72 |
|---|---|---|---|
| Daily output in summer in Germany (Ø) Wh/d | 480 | 440 | 835 |
| Rated output[1] (Pmpp) Wp | 110 | 100 | 190 |
| Short-circuit current (Isc) A | 2.83 | 4.45 | 6.87 |
| Open-circuit voltage (Uoc) V | 48.47 | 29.85 | 49.75 |
| Voltage (Umpp) V | 39.95 | 23.70 | 41.63 |
| Current (Impp) A | 2.75 | 4.05 | 4.59 |
| No. of cells | 72 | 44 | 72 |

[1]Performance at STC, Standard Testing Conditions: 1000 W/m$^2$, AM 1,5, cell temperature 25° C

## Dimensions and weight

| | | | |
|---|---|---|---|
| Dimensions (L x W x H) mm | 1065 x 550 x 35 | 1410 x 400 x 35 | 1500 x 680 x 35 |
| Weight kg | 6.8 | 7.2 | 10.3 |
| Frame color | black | black | black |

## Thermal properties

| | |
|---|---|
| TK Pmpp %/°C | -0.42 |
| TK Uoc mV/°C | -0.32 |
| TK Isc mA/°C | 0.04 |
| NOCT °C | 46 ± 2 |

## Used materials

| | |
|---|---|
| Cell technology | Monocrystalline PERC > 22 % efficiency |
| Frontside | Tempered solar glass, hail resistant |
| Frame | Anodized aluminium hollow profile, black |
| Junctionbox | IP65 with MC4 compatible connectors |

## More technical data

| | |
|---|---|
| Reverse current IR | 12 A |
| Measuring accuracy Pmpp at STC | -5 / +10 % |
| Operating temperature range | -40°C to +85°C |

3 years product guarantee*

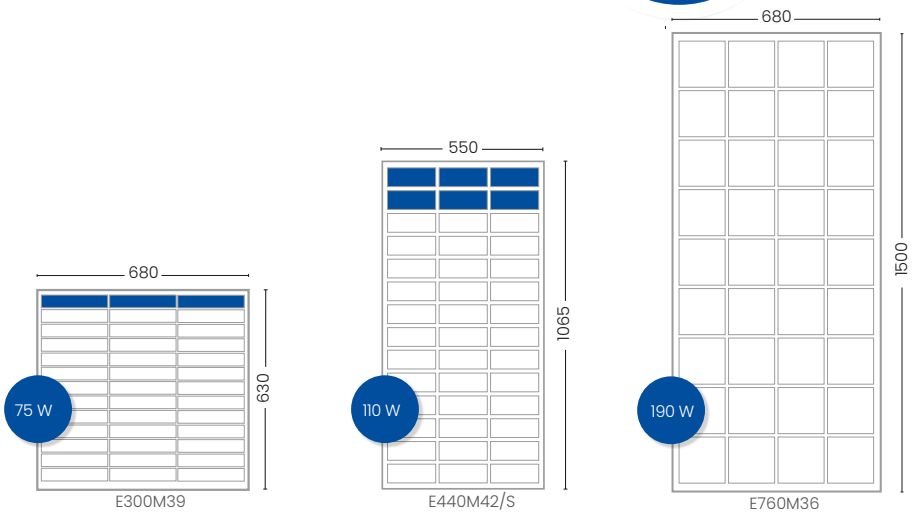
Quality Made in Germany

PROVED DCsolar QUALITY

DCsolar
designed by SOLARA®

# DCsolar Ecolux-Series

Price/ performance winner!




## SUPERIOR MODULAR TECHNOLOGY - VERSATILE APPLICABLE

- High-yield MonoPerc solar cells with > 22 % efficiency
- Extra solar cells for efficient charging
- Stable hollow chamber profile frame
- MC4 compatible connector
- High transmissive solar glass
- Hail resistant

## PERFORMANCE

| Type | E300M39 | E440M42/S | E760M36 |
|---|---|---|---|
| Daily output in summer in Germany (Ø) Wh/d | 300 | 440 | 760 |
| Rated output [1] (Pmpp) Wp | 75 | 110 | 190 |
| Short-circuit current (Isc) A | 3.63 | 4.90 | 9.74 |
| Open-circuit voltage (Uoc) V | 26.26 | 28.28 | 24.88 |
| Voltage (Umpp) V | 21.71 | 23.30 | 20.82 |
| Current (Impp) A | 3.45 | 4.72 | 9.17 |
| No. of cells | 39 | 42 | 36 |

[1]Performance at STC, Standard Testing Conditions: 1000 W/m$^2$, AM 1,5, cell temperature 25° C

## Dimensions and weight

| | | | |
|---|---|---|---|
| Dimensions (L x W x H) mm | 630 x 660 x 35 | 1065 x 550 x 35 | 1500 x 680 x 35 |
| Weight kg | 5.0 | 6.8 | 10.3 |
| Frame color | silver | silver | silver |

## Thermal properties

| | |
|---|---|
| TK Pmpp %/°C | -0.42 |
| TK Uoc mV/°C | -0.32 |
| TK Isc mA/°C | 0.04 |
| NOCT °C | 46 ± 2 |

## Used materials

| | |
|---|---|
| Cell technology | Monocrystalline PERC > 22% efficiency |
| Frontside | Tempered solar glass, hail resistant |
| Frame | Anodized aluminium hollow profile, black |
| Junctionbox | IP65 with MC4 compatible connectors |

## More technical data

| | |
|---|---|
| Reverse current IR | 12 A |
| Measuring accuracy Pmpp at STC | -5 / +10 % |
| Operating temperature range | -40°C to +85°C |

3 years product guarantee*

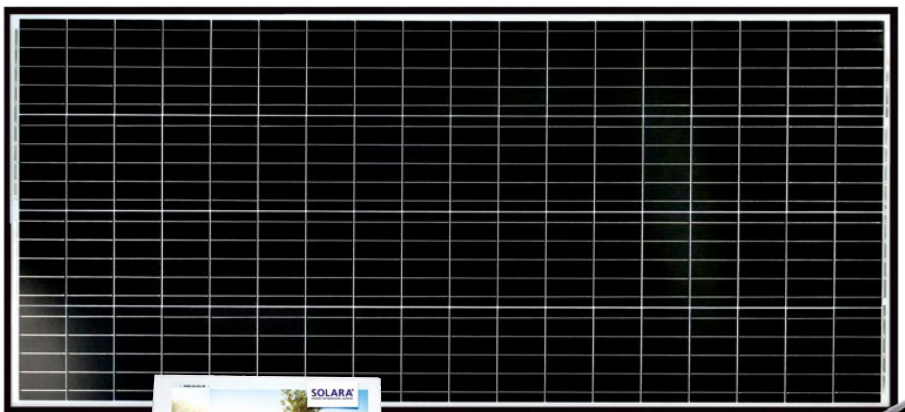
Quality Made in Germany

PROVED DCsolar QUALITY

DCsolar
designed by SOLARA®

# DCsolar Power Set MPPT High Voltage

Maximum performance on the smallest areas.
---
with Bluetooth

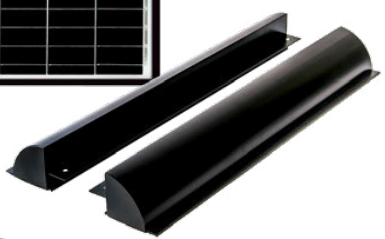














# HIGH DAILY YIELDS WITH MPPT TECHNOLOGY

- Ecolux HV-Series modules
- Victron MPPT charge controller
- High-quality aluminium bracket set(s)
- Roof grommet, UV-stable with one cable entry
- Fix Pack adhesive kit
- Connection cable for module to charge controller incl. 2 x MC4 connectors
- MultiContact Y-connector
- Detailed mounting instructions

PROVED DCsolar QUALITY

DC solar POWER SETS MPPT HV

| Type | PSMHV 01 | PSMHV 02 | PSMHV 03 | PSMHV 04 |
|---|---|---|---|---|
| Power (W) | 110 | 190 | 220 | 380 |
| Daily yield (Wh) | 480 | 835 | 960 | 1670 |
| Solar panel (Type) | E480M72 | E835M72 | E480M72 | E835M72 |
| No. of solar panels (pc) | 1 | 1 | 2 | 2 |
| Solar panel size L x W x H (mm) | 1065 x 550 x 35 | 1500 x 680 x 35 | 1065 x 550 x 35 | 1500 x 680 x 35 |
| Charger | Victron MPPT 75/15 | Victron MPPT 75/15 | Victron MPPT 75/15 | Victron MPPT 100/30 |
| No. of cells | 72 | 72 | 72 | 72 |

DCsolar
designed by SOLARA®

# DCsolar Power Set MPPT EBL High Voltage

Price/ performance winner!



# HIGH DAILY YIELDS WITH MPPT TECHNOLOGY

- Ecolux HV-Series modules
- Victron Duo MPPT charge controller incl. all necessary adapter cables
- High-quality aluminium bracket set(s)
- Roof grommet, UV-stable with one cable entry
- Fix Pack adhesive kit
- Connection cable for module to charge controller incl. 2 x MC4 connectors
- MultiContact Y-connector
- Detailed mounting instructions

PROVED
DCsolar
QUALITY

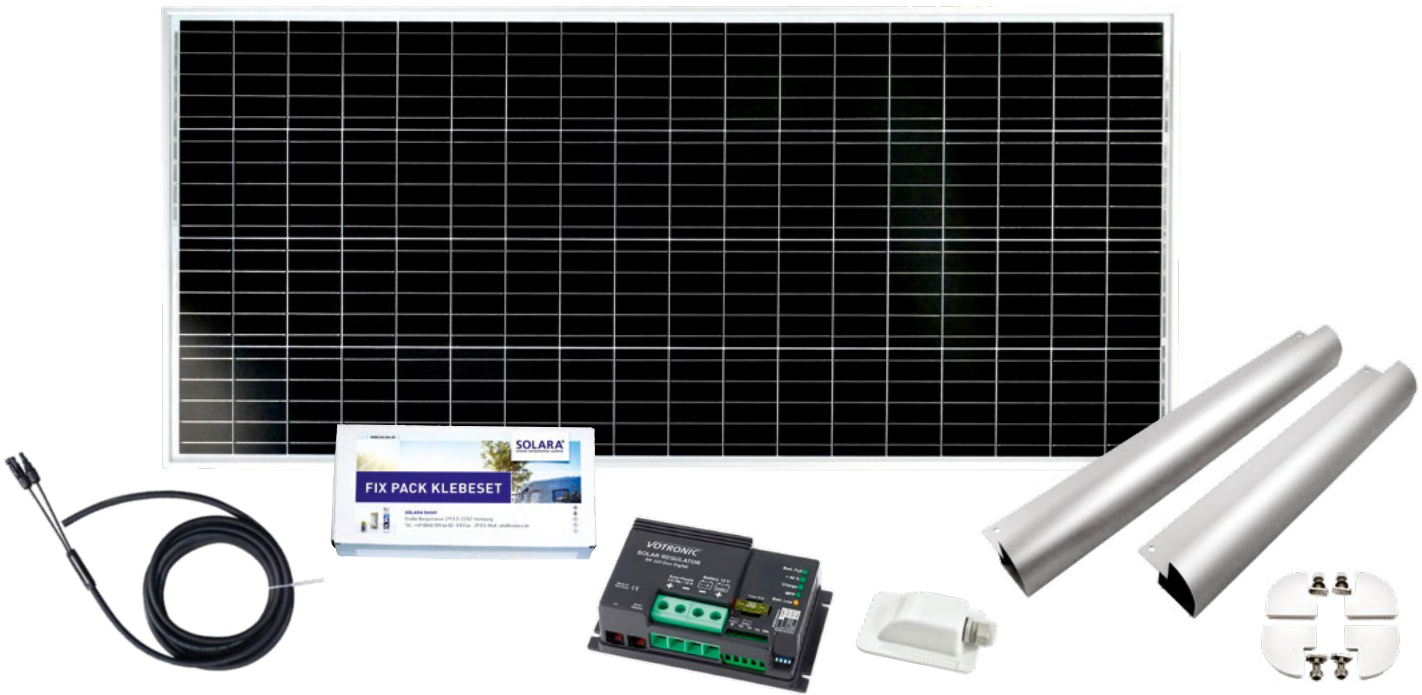
DC solar POWER SETS MPPT EBL HV

| Type | PSEHV 01 | PSEHV 02 | PSEHV 03 |
|---|---|---|---|
| Power (W) | 110 | 190 | 220 |
| Daily yield (Wh) | 480 | 835 | 960 |
| Solar panel (Type) | E480M72 | E835M72 | E480M72 |
| No. of solar panels (pc) | 1 | 1 | 2 |
| Solar panel size L x W x H (mm) | 1065 x 550 x 35 | 1500 x 680 x 35 | 1065 x 550 x 35 |
| Charger | Votronic MPPT260CI | Votronic MPPT260CI | Votronic MPPT260CI |
| No. of cells | 72 | 72 | 72 |

DCsolar
designed by SOLARA®

# DCsolar Power Set EBL

Charge of engine and service battery at the same time.



# SPECIALLY FOR VEHICLES WITH EBL-BLOCK

- Ecolux Series modules
- Votronic charge controller DuoDigital 230 incl. all necessary adapter cables
- High-quality aluminium bracket set(s)
- Roof grommet, UV-stable with one cable entry
- Fix Pack adhesive kit
- Connection cable for module to charge controller incl. 2 x MC4 connectors
- MultiContact Y-connector
- Detailed mounting instructions

PROVED
DCsolar
QUALITY

DC solar POWER SETS EBL

| Type | PSE 01 | PSE 02 | PSE 03 |
|---|---|---|---|
| Power (W) | 110 | 190 | 220 |
| Daily yield (Wh) | 440 | 760 | 880 |
| Solar panel (Typ) | E440M42/S | E760M36 | E440M42/S |
| No. of solar panels (Stk) | 1 | 1 | 2 |
| Solar panel size L x W x H (mm) | 1065 x 550 x 35 | 1500 x 680 x 35 | 1065 x 550 x 35 |
| Charger | Votronic DuoDigital 230 | Votronic DuoDigital 230 | Votronic DuoDigital 230 |
| No. of cells | 42 | 36 | 42 |

DCsolar
designed by SOLARA®

# DCsolar Power Set Profi

Price/ performance winner!



# BESTSELLER IN PROOFED QUALITY

- Ecolux Series modules
- Solara Charge Controller SR 340 E
- High-quality aluminium bracket set(s)
- Roof grommet, UV-stable with one cable entry
- Fix Pack adhesive kit
- Connection cable for module to charge controller incl. 2 x MC4 connectors
- MultiContact Y-connector
- Detailed mounting instructions

PROVED
DCsolar
QUALITY

DC solar POWER SETS PROFI

| Type | PSP 01 | PSP 02 | PSP 03 |
|---|---|---|---|
| Power (W) | 110 | 220 | 190 |
| Daily yield (Wh) | 440 | 880 | 760 |
| Solar panel (Typ) | E440M42/S | E440M42/S | E760M36 |
| No. of solar panels (Stk) | 1 | 2 | 1 |
| Solar panel size L x W x H (mm) | 1065 x 550 x 35 | 1065 x 550 x 35 | 1500 x 680 x 35 |
| Charger | Solara SR 340 E | Solara SR 340 E | Solara SR 340 E |
| No. of cells | 42 | 42 | 36 |

DCsolar
designed by SOLARA®

# DCsolar Accessories

Flexible in use.


MC4 Y-Set


DS HD-6


Fox 062


HSP/sw


ABS-Haltespoiler


DS H-10


DS HD-10


HSP


DS H-6


DC Connect C


DS Multi

PROVED
DCsolar
QUALITY

## EASY TO HANDLE

With the DCsolar accessories, the installation becomes a breeze. High-quality connectors, rugged cables, pre-assembled connection cables, EBL charge controllers - all professional components for quick and easy installation. Our cables are suitable for outdoor use.

| Type | Description |
|---|---|
| Connection cable / connectors | |
| Dc-Connect-C, 4 mm² | Connection cable module - controller with MC4 connectors, length 5 m, size 2 x 4mm², fits to all Solara and DcSolar modules |
| Dc-Connect-C, 2.5 mm² | Connection cable module - controller with MC4 connectors, length 5 m, size 2 x 2.5² mm fits to all Solara and DcSolar modules |
| Dc-Connect-M | Connection cable for modules with MC4 connectors, length 2 m, size 2 x 4 mm² |
| Dc-Connect-B | Connection cale charge controller - battery, assembled with fuse and cable lugs, length 1 m, size 2x 6 mm ² |
| MC4 Y-Set | Y-adapter set for parallel connection of two modules, set with plus and minus |
| MC4 PV Stick | MC4 connectors, DIY, tool-free, set with plus and minus |
| Charge controller | |
| Fox-062 | Cable charge controller, max. solar current 8A, system voltage 12V, adjustable to different battery types |
| Cellprotector | Hotspot protector for SOLARA M-Series Modules |
| EBL connection cable | Connection wire for any solar controller with Schaudt EBL |
| Aluminium brackets | |
| HSP | Silver aluminium bracket for module mounting, max. module size 1300 x 560 mm, set with 4 brackets, incl. screws |
| HSP400 | Silver aluminium bracket for module mounting, max. module size 1500 x 700 mm, set with 6 brackets, incl. screws |
| HSP/sw | Black aluminium bracket for module mounting, max. module size 1300 x 560 mm, set with 4 brackets, incl. screws |
| HSP400/sw | Black aluminium bracket for module mounting, max. module size 1500 x 700 mm, set with 6 brackets, incl. screws |
| Deck seals | |
| Deck seal | Scanstrut DS H-6, for 1 cable, cable diameter 2-6 mm, incl. several sealings |
| Deck seal | Scanstrut DS H-10, for 1 cable, cable diameter 6-10 mm, incl. several sealings |
| Deck seal | Scanstrut DS Multi,several cables, cable diameter up to 15 mm |
| Deck seal | Scanstrut DS-HD6, for 2 cables, cable diameter up to 6 mm max., incl. several sealings |
| Deck seal | Scanstrut DS-HD10, for 2 cables, cable diameter 6-10 mm, incl. several sealings |

SOLARA®
module. komponenten. systeme

Powerful Solar Modules

Made in Germany.



Sonnenstromfabrik Excellent



SOLARA S-Series

## QUALITY FROM THE SONNENSTROMFABRIK

The Sonnenstromfabrik is the most modern and qualitatively leading manufacturer of solar modules in Europe. The module factory has established itself as a quality leader over the past 25 years. The particular strength of the Sonnenstromfabrik are their, compared to conventional solar modules, much more durable glass/glass modules of the series „Excellent Glass/Glass“.

# THE FEATURES

- Anti-reflection glass ensures high yields
- Positive power classification
- 100 % PID-safe
- Ballast up to 18,000 Pa (for glass/glass modules)
- Large, waterproof junction box
- Salt-spray-resistant
- Ammonia-resistant
- Hail-resistant




PROVED
SOLARA®
QUALITY

Glass/glass modules

| Type | Module power (W) | No. of cells | Dimensions (L x W x H in mm) | Weight (Kg) |
|---|---|---|---|---|
| Diamond | 350 - 400 | 108/96 | 1745/1560 x 1145 x 35 | 23.0/22.0 |
| Excellent | 325 - 330 | 60 | 1700 x 1000 x 35 | 22.0 |
| Solara S-Series Vision | 110 | 36 | 1250 x 550 x 35 | 9.4 |
| Solara S-Series Vision | 190 | 42 | 1500 x 680 x 35 | 15.0 |

Glass/foil modules

| Type | Module power (W) | No. of cells | Dimensions (L x W x H in mm) | Weight (Kg) |
|---|---|---|---|---|
| Sapphire | 490 | 132 | 2110 x 1145 x 35 | 23.0 |
| Sapphire | 350 - 410 | 108/96 | 1745/1560 x 1145 x 35 | 19.0/20.0 |
| Excellent | 325 - 330 | 60 | 1700 x 1000 x 35 | 19.0 |
| Solara S-Series | 100 | 36 | 1500 x 350 x 35 | 7.9 |
| Solara S-Series | 120 | 45 | 1250 x 550 x 35 | 6.6 |
| Solara S-Series | 190 | 36 | 1500 x 680 x 35 | 10.5 |



A variety of applications such as e.g. parking ticket machines, measuring stations, emergency telephones, street lighting, telecommunications and much more, often need to be supplied with autonomous power. Either there is no electricity available or the connection to the power grid is too expensive or complicated. Depending on the product a perfectly suitable solar module for this application is required so that it can be easily integrated into the existing application without further modification.

This is the strength of Solara, because we can manufacture any solar module exactly to your specifications. Whether square, triangular or round, small or large, all module outputs from 1 Watt for cigarette vending machines to 395 Watts for telecommunication systems are possible here and that even in smaller quantities.

You give us the desired dimensions and power, we design the optimal module and make you an appropriate offer based on the requested quantities. After your approval, the solar module can be produced and delivered promptly.

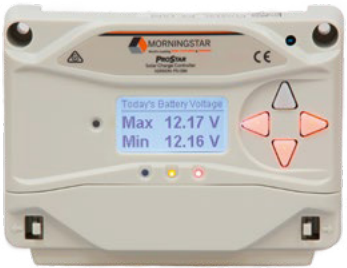
## WHAT IS POSSIBLE?

- Any shape
- Power ranges from 1 Watt to 490 Watts
- Use of polycrystalline, monocrystalline and as well as back contact cells
- Module construction glass/foils, glass/glass, foil/metal or foil/plastic
- Semiflexible modules
- Covered cell connectors
- Transparent, white or black backsheet
- Frame colour silver or black
- Frameless as a laminate
- Junction box or direct cable outlet

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SunGuard




ProStar with Display




TriStar 45/60

## CHARGE CONTROLLER FOR PROFESSIONAL USE

In case of high solar power and currents, battery voltages up to 48 V, needed communication and data transfer, the professional ProStar and TriStar controllers are being used. Basically, all MorningStar controllers are designed without fans or moving parts.

## THE FEATURES

- For all battery types, lithium-ready
- For large systems with up to 60 A solar current
- With temperature sensor and deep discharge protection
- PWM charging characteristic, Series design
- Automatic voltage detection
- Several network and communication options
- All fuses electronically
- Low self-consumption < 20 mA
- Top quality with 5 years guarantee




PROVED
SOLARA®
QUALITY

| Type | Solat panel power (W) | Current (A) | Voltage (V) | max. Open-circuit voltage (V) | Meter |
|---|---|---|---|---|---|
| SunGuard | 80 | 4,5 | 12 | 30 | LED |
| ProStar 15 | 250/500 | 15 | 12/24 | 60 | LED |
| ProStar 15M | 250/500 | 15 | 12/24 | 60 | LCD |
| ProStar 30 | 500/1000 | 30 | 12/24 | 60 | LED |
| ProStar 30M | 500/000 | 30 | 12/24 | 60 | LCD |
| TriStar 45 | 750/1500/3200 | 45 | 12/24/48 | 60 | LED |
| TriStar 60 | 1000/2000/4000 | 60 | 12/24/48 | 60 | LED |

SOLARA®
module. komponenten. systeme

# Morningstar Genstar MPPT Charge Controllers

When it comes to performance.



GS-MPPT-100M



GS-MPPT-100M

GenStar MPPT is the industry's first fully integrated DC solar charging system. A completely new design that provides all the features, most frequently requested by installers, including key communication and control functions.

## THE FEATURES

- Complete network integration without adapters or additional devices
- WiFi and Bluetooth connectivity with a mobile device and an app for easy connection
- LiveView 2.0 web app interface on board
- Fanless design for improved efficiency andexceptional long-term reliability
- Oversized PV array input power
- Comprehensive electronic protection functions, such as a „fold-back“ circuit for lithium, which protects against charging damage in cold weather
- Powerful load control - integrated 30 A load capability, unique for controllers in this power class




| Type | Power (VA) | Charging current (A) | System voltage (V) | Max. solar voltage (Vdc) |
|---|---|---|---|---|
| GS-MPPT-60M-200V | 1200/2400/4800 | 60A | 12/24/48 | 200 |
| GS-MPPT-80M-200V | 1600/3200/6400 | 80A | 12/24/48 | 200 |
| GS-MPPT-100M-200V | 2000/4000/8000 | 100A | 12/24/48 | 200 |

For further information do not hesitate contacting us.

SOLARA®
module. komponenten. systeme

# Morningstar ReadyBlocks System Extention for GenStar

When it comes to performance.




ReadyBlocks

The ReadyBlock expansion system offers true integration of the controller technology thanks to the exclusive ReadyRail design. All information is immediately available as it is actually part of the hardware and software of the charge controller itself and not outside the system as with a typical stand-alone add-on device.

## THE FEATURES

- ReadyShunt - battery measurement/monitoring, important key figures such as state of charge (SOC), energy inputs and outputs (ampere hours), current measurement for energy sources and loads and more
- ReadyBMS - complete closed-loop communication and control with lithium batteries
- ReadyRelay - signalling (dry contact), advanced load control

PROVED
SOLARA®
QUALITY

5 years product guarantee*

Morningstar ReadyBlocks System Extention for GenStar

# Morningstar Accessories

Versatile
expandable.




MeterHub




RD-1




EMC-1




TS-M-2

The various accessories from Morningstar provides professional extension of the solar system. Communication adapters enable data transfer, even over the Internet. Displays and hubs, visualize many devices in one place, a relay driver to control external devices and other accessories just a good and clean installation.




Accessories

| Type | Function | Compatible to |
|---|---|---|
| RM-1 | Remote LCD display for several system parameters, incl. 10 m connection wire | SunSaver MPPT, ProStar MPPT |
| TS-M-2 | Build-in meter for system parameter | TriStar MPPT |
| TS-RM-2 | Remote LCD display for system parameters, incl. 30 m connection wire | TriStar MPPT |
| RTS | Temperature sensor with 10 m connection wire | ProStar MPPT, TriStar MPPT, EcoBoost |
| EMC-1 | Ethernet Meterbus converter | ProStar MPPT, TriStar MPPT, |
| HUB-1 | Enables multiple controllers to share one display or relay driver | ProStar MPPT, TriStar MPPT, |
| MSC-1 | Converter for RJ-11 to RS232 communication | SunSaver MPPT, ProStar MPPT |
| RD-1 | Logic module for system controll functions | ProStar MPPT, TriStar MPPT |
| UMC-1 | Converter for RJ-11 to USB 2.0 communication | SunSaver MPPT, ProStar MPPT |
| DIN-1 | DIN-rail holder | SunSaver MPPT |
| WireBox | Enclosure accessory for ProStar MPPT | ProStar MPPT |

Victron

Price/ performance winner!




Quatro




MultiPlus



BatFuse x.2



BatFuse x.1



Kabel 16/35/70 mm²

## BEST PRICE AND POWER PERFORMANCE

With over 43 years of experience, Victron Energy enjoys an unrivalled reputation for technical innovation, reliability and quality. Victron is one of the world leaders in the field of independent power supply. The wide product range includes i.a. sine inverter and inverter/charger combinations, battery chargers, DC/DC converters, transfer switches, batteries, solar charge controllers and many more innovative solutions.

| | Power (VA) | Charging current (A) | System voltage (V) | Specialty |
|---|---|---|---|---|
| Quattro | 3000 - 15000 | 70 - 200 | 12/24/48 | – |
| MultiPlus Inverter/Charger | 800 - 5000 | 16 - 120 | 12/24/48 | – |
| MultiPlus Inverter/Charger | 500 - 1200 | 6 - 50 | 12/24/48 | – |
| Phoenix Inverter | 250 - 800 | – | 12/24/48 | Inverter only |

Several accessories available such as control panels, battery monitors, remote monitoring and much more.
For more information and details, please contact us.

PROVED
SOLARA®
QUALITY

## ACCESSORIES

These accessories are needed in almost every system. High quality fuses, rugged cables - all professional components for a clean and safe installation.

| Type | Function |
|---|---|
| MC4 PV Stick | MC4 connectors, DIY, tool-free, set with plus and minus |
| Cable 1x4 | Installation cable for outside use, Typ H1Z2Z2-K, size 1x 4 $mm^2$ , by meter |
| Cable 1x6 | Installation cable for outside use, Typ H1Z2Z2-K, size 1x 6 $mm^2$, by meter |
| Cable 16 $mm^2$ | Connection cable with cable lug, length 4 m |
| Cable 35$mm^2$ | Connection cable with cable lug, length2 m or 4 m |
| Cable 70 $mm^2$ | Connection cable with cable lug, length 3 m or 6 m |
| Batfuse 1.1 | NH00-Fuse up to 2x 80 - 160 A, for 1 Inverter, 3 DC Inputs, IP65 |
| Batfuse 1.2 | NH00-Fuse up to 6x 80 - 160 A, for 3 Inverter, 6 DC Inputs, IP65 |
| Batfuse 2.1 | NH01-Fuse up to 2x 125 - 250 A, for 1 Inverter, 3 DC Inputs, IP65 |
| Batfuse 2.2 | NH01-Fuse up to 6x 125 - 250 A, for 3 Inverter, 6 DC Inputs, IP65 |



Aqua Gen



OPzS



Battery rack



OPzV

## OPZS/OPZV BATTERIES

Since 1927 the company develops and produces “Made in Germany“. Longevity due to high number of cycles (up to 3,000 cycles at DoD 50%) are one of the characteristics of these stationary batteries.

## THE FEATURES

- Maximum cycle life and longevity
- Standards IEC 61427, DIN 40742
- Up to 3,000 cycles at DoD 50 %
- M8 thread for cable connections
- Highest resistance to mechanical stresses by reinforced, impact-resistant polypropylene housing

## sun|power VR L (OPzV)

| Description | Dimensions | Capacity c100 |
|---|---|---|
| 12 V bloc, W x H 205 x 383 mm | Lenght: 272, 380 mm | 70, 130, 200 Ah |
| 6 V bloc, W x H 205 x 383mm | Lenght: 272, 380 mm | 270, 330, 400 Ah |
| 2 V cell, width 208 mm | L x H: 105 x 420, 126 x 420, 147 x 420, 126 x 535, 147 x 535, 168 x 535, 147 x 710 mm | 287, 359, 430, 478, 574, 670, 847 Ah |
| 2 V cell, width 193 mm | L x H: 215 x 710 mm | 990, 1130 Ah |
| 2 V cell, width 235 mm | L x H: 215 x 710 mm | 1271, 1412 Ah |
| 2 V cell, width 277 mm | L x H: 215 x 710, 215 x 710, 215 x 855 mm | 1553, 1695, 1955 Ah |
| 2 V cell, width 400 mm | L x H: 215 x 815 mm | 2281, 2607 Ah |
| 2 V cell, width 490 mm | L x H: 215 x 815 mm | 2933, 3258 Ah |
| 2 V cell, width 580 mm | L x H: 215 x 815 mm | 3584, 3910 Ah |
| 1-step or 2-step racks available on request | | |

## sun|power V L (OPzS)

| Description | Dimensions | Capacity c100 |
|---|---|---|
| 12 V bloc, W x H 205 x 383 mm | Lenght: 272, 380 mm | 70, 130, 200 Ah |
| 6 V bloc, W x H 205 x 383mm | Lenght: 272, 380 mm | 270, 330, 400 Ah |
| 2 V cell, width 208 mm | L x H: 105 x 420, 126 x 420, 147 x 420, 126 x 535, 147 x 535, 168 x 535, 147 x 710 mm | 280, 350, 420, 520, 620, 730, 910 Ah |
| 2 V cell, width 193 mm | L x H: 215 x 710 mm | 1070, 1220 Ah |
| 2 V cell, width 235 mm | L x H: 215 x 710 mm | 1370, 1520 Ah |
| 2 V cell, width 277 mm | L x H: 215 x 710, 215 x 710, 215 x 855 mm | 1670, 1820, 2170 Ah |
| 2 V cell, width 400 mm | L x H: 215 x 815 mm | 2540, 2900 Ah |
| 2 V cell, width 490 mm | L x H: 215 x 815 mm | 3250, 3610 Ah |
| 2 V cell, width 580 mm | L x H: 215 x 815 mm | 3980, 4340, 4700 Ah |
| 1-step or 2-step racks, re-combination tool, acid trays available on request | | |

SOLARA®
module. komponenten. systeme

# Hoppecke AGM Batteries

Efficiency and durability.



VR M



VR X-FT



VR X

## COMPACT AND POWERFUL

Sealed lead-acid battery, almost maintenance-free due to Absorbent-Glass-Mat technology.
The ideal battery for small and medium-sized cyclic applications.

## THE FEATURES

- Maintenance-free due to AGM technology
- 2,500 cycles at 50 % DoD
- Ideal for street lighting or small technical installations

## sun|power VR M

| Description | Dimensions | Capacity c100 |
|---|---|---|
| 12 V bloc, W x H 177 x 190 mm | Lenght: 232, 267, 303 mm | 56, 69, 76, 88 Ah |
| 12 V bloc, W x H 177 x 230 mm | Lenght: 344, 498 mm | 101, 146 Ah |
| 12 V bloc, W x H 170 x 275 mm | Lenght: 344, 242, 308 mm | 125 Ah |
| 6 V bloc, W x H 170 x 275 mm | Lenght: 242, 308 mm | 186, 247 Ah |
| 2 V bloc, L x H 183 x 310 mm | Width: 155, 226 mm | 430, 620 Ah |
| 2 V bloc, L x H 182 x 310 mm | Width: 304, 391 mm | 890, 1120 Ah |

## grid|power VR X

| Type | Weight (Kg) | Capacity c100 |
|---|---|---|
| VR X 12-57, L x B x H 207 x 177 x 230 | 19.0 | 57 Ah |
| VR X 12-63, L x B x H 229 x 177 x 230 | 23.3 | 63 Ah |
| VR X 12-68, L x B x H 229 x 177 x 230 | 25.7 | 68 Ah |
| VR X 12-88, L x B x H 344 x 177 x 230 | 30.8 | 88 Ah |
| VR X 12-102, L x B x H 344 x 177 x 230 | 33.6 | 102 Ah |
| VR X 12-114, L x B x H 344 x 177 x 230 | 38.7 | 114 Ah |
| VR X 12-142, L x B x H 498 x 177 x 230 | 46.2 | 142 Ah |
| VR X 12-153, L x B x H 498 x 177 x 230 | 48.2 | 153 Ah |
| VR X 12-166, L x B x H 498 x 177 x 230 | 53.3 | 166 Ah |

## grid|power VR X-FT

| Type | Weight (Kg) | Capacity c100 |
|---|---|---|
| VR X-FT 12-90, L x B x H 383 x 105 x 265 | 32.5 | 90 Ah |
| VR X-FT 12-115, L x B x H 541 x 125 x 217 | 36.4 | 115 Ah |
| VR X-FT 12-170, L x B x H 541 x 125 x 302 | 52.3 | 170 Ah |
| VR X-FT 12-180, L x B x H 541 x 125 x 302 | 59.0 | 180 Ah |

ACRYFORM
PLASTOFORM

# RV plastic windows

By the time of PMMA (Polymethyl Methacrylate acrylic) invention in early 20th century, this revolutionary material evolved in various directions. Today, a variety of acrylic polymer (transparent, translucent, opaque and coloured) are available with varying levels of light transmissions, impact strength, heat resistance, flow rates and release capabilities.

In a basic comparison to glass, PMMA shows similar strengths like transparency, translucency, clarity, brilliance..; but is certainly far more superior in terms of weight (half-theglass-weight), impact resistance (up to 10 time more than glass) and easy-shaping in any sense. For that, this exceptional material still remains the No.1 choice among many of nowaday industries. In Acryform Plastoform, the acrylic specialist with over four decades of experience, we're eager to introduce the magic of Acrylic at its best. Welcome to our world!




nüCamp


cirrus







ACRYFORM
PLASTOFORM

- **Hidden hinge for modern and stylish window look**
- **Compatibility with wall thickness 24 – 40mm**
- **Low product weight**
- **Suitable for flat or parabolic walls**

The new Plastoform window blends seamlessly into your leisure vehicle for an elegant, contemporary look.



**Hidden hinge for modern and stylish window look**
Completely flat outer pane without visible imperfections, fractures of light and gaps where dirt could accumulate.

**Compatibility with several different caravan wall thickness**
Same product can be used for wall thicknesses from 24mm up to 40 mm or more (with additional elements).

**Low product weight**
Lower window weight compared to similar products on the market ensures lower weight of the final product (leisure vehicle).

**Multiple blind system options**
Construction of blind system allows for installation of pleated or roller blind into the same frame. Different versions are available from basic to total blackout.

## LESS WINDOW, MORE VIEW



- **Assembled with pleated or roller blind system**
- **Easy adjusting system for pleated blinds**
- **Full integration with interior materials**
- **Possible upgrade with LED backlight**

## DIMENSIONS

700 x 300 | 700 x 500 | 750 x 600 | 800 x 450 | 900 x 600

ACRYFORM
PLASTOFORM

For perfect views, we design a panoramic window that fits into the wall of your vehicle. Completely addapted to your existing wall, durable and designed to match perfectly other components on your vehicle.





Our skyview windows enable your to feel as a part of the outdoors, they ensure the feeling of complete freedom and they make you feel you can reach for the stars.





ACRYFORM
PLASTOFORM

Very smooth crossings create a feeling of windows blended with the walls and new hinge composition with plastic endings make these windows appear stronger with small corner radiuses.





## WALL OPENING (MM), R75

450 x 550 | 500 x 400 | 600 x 550 | 700 x 300 | 700 x 750
850 x 750 | 800 x 750 | 870 x 520 | 1200 x 520

Flat or flush windows became very popular over the last few years; RM design was one of the first on the market. With both panes formed, the outer surface of the window is drawn closer to the vehicle to create the automotive look also on motorhomes and caravans.





## WALL OPENING (MM), R75

350 x 500 | 550 x 600 | 700 x 300 | 700 x 350 |
900 x 400 | 1200 x 500

ACRYFORM
PLASTOFORM

Flat or flush windows became very popular over the last few years; RM design was one of the first on the market. With both panes formed, the outer surface of the window is drawn closer to the vehicle to create the automotive look also on motorhomes and caravans.





## WALL OPENING (MM), R90

550 x 600 | 600 x 250 | 700 x 350 | 900 x 520

Premium collection windows that combine all the latest trends regarding flat design and add rounded shape to make them significantly different from all the others.





## WALL OPENING (MM), R75

900 x 520

ACRYFORM
PLASTOFORM

Combining economic benefits of single formed windows with a goal to achieve as flat look as possible, were key factors at RM14 eco window development. Rounded shape makes it unique and luxurious looking.







## WALL OPENING (MM), R75

500 x 480 | 500 x 520 | 700 x 350 | 700 x 520 | 870 x 520 | 900 x 450 | 910 x 800 | 1200 x 520 | 1300 x 180

It is not only the weight that has been lowered due to the thinner hinge, also the surface of outer pane was drawn closer to the vehicle and improvements have been made to shorten the time needed for its installation.







## WALL OPENING (MM), R75

350 x 500 | 500 x 250 | 500 x 550 | 540 x 450 | 540 x 500 | 550 x 600 | 600 x 250 | 600 x 500 | 700 x 350 | 700 x 450 | 700 x 500 | 900 x 450 | 900 x 500 | 900 x 520 | 1000 x 300 | 1300 x 500 | 1450 x 600

ACRYFORM
PLASTOFORM

Attractive design that follows latest market demands with rounded sides and fairly flat outer surface. Consideration on costs has played an important role, but it still ensures the feeling of prestige.







## WALL OPENING (MM), R75

900 x 520

Everlasting design of the windows with aluminium hinges and many available dimensions, you can perfectly match to desired final appearance or you caravan or motorhome.







## WALL OPENING (MM), R75

300 x 550 | 350 x 500 | 500 x 350 | 500 x 500 | 520 x 500 | 600 x 550 | 700 x 300 | 700 x 350 | 700 x 500 | 700 x 1100 | 800 x 550 | 900 x 450 | 900 x 500 | 950 x 700 | 1000 x 500 | 1200 x 300 | 1200 x 500 | 1450 x 600

ACRYFORM
PLASTOFORM

Bigger corner radiuses differentiate these windows from all the others. A design that is always modern and unforgettable.





## WALL OPENING (MM), R75

500 x 520 | 700 x 300 | 700 x350 | 700 x 520 | 850 x 400 | 900 x 520 | 1200 x 520 | 1450 x 520

Outer surface of these windows has been drawn closer to the vehicle, creating flatter appearance and smooth crossings between the walls and the windows. These windows also offer a possibility to improve insulation properties with newly developed rubber profile. For walls R5000.





## OUTER DIMENSIONS (MM)

820 x 660

## MAX WALL OPENING (MM), R75

720 x 560

ACRYFORM
PLASTOFORM

Perfect solution for parabolic walls of the vehicle that at the same time enables the usage of same outer dimension of the windows on different wall openings. For walls R5000.





## OUTER DIMENSIONS (MM)

420 x 580 | 570 x 660 | 820 x 660 | 1050 x 660

## MAX WALL OPENING (MM), R75

350 x 510 | 500 x 590 | 750 x 590 | 980 x 590

## PRODUCT & MARK

**TM WINDOWS | TA WINDOWS | VAN 15 WINDOWS | VAN WINDOWS**



**HANDLE WITH RED BUTTON**
(functional)



**HANDLE**
(black, red, grey)



**GREY HANDLE WITH BUTTON**
(functional)



**WINDOW HOLDER**
klick-klack in step version
(black, grey)



**WINDOW HOLDER**
with screw
(black, red, grey)



**CATCHER**
(black or grey)



**LINER**
(black or grey)

## PRODUCT & MARK

**RM14 WINDOWS | RM R75 WINDOWS | RM R90 WINDOWS | GD WINDOWS**



**HANDLE WITH RED BUTTON**
(functional)



**HANDLE WITH BLACK BUTTON**
(functional / unfunctional)



**WINDOW HOLDER**
klick-klack in step version



**WINDOW HOLDER**
with screw



**CATCHER**



**LINER**

## PRODUCT & MARK

**RM14 ECO WINDOWS | RM ECO WINDOWS | GD ECO WINDOWS**



**HANDLE WITH RED BUTTON**
(functional)



**HANDLE WITH BLACK BUTTON**
(functional / unfunctional)



**WINDOW HOLDER**
klick-klack in step version



**WINDOW HOLDER**
with screw



**CATCHER**



**LINER**

**COLOURS:**

# RV batteries, chargers, inverters

| PRODUCT CODE | PRODUCT & MARK | | DIMMENSIONS, mm | WEIGHT, kg |
|---|---|---|---|---|
| PIN121251200 |  | Phoenix 12/250 VE.Direct Schuko* | 86 x 165 x 260 | 2,4 |
| PIN121371200 | | Phoenix 12/375 VE.Direct Schuko* | 86 x 165 x 260 | 3,0 |
| PIN121501200 | | Phoenix 12/500 VE.Direct Schuko* | 86 x 172 x 275 | 3,9 |
| PIN121801200 | | Phoenix 12/800 VE.Direct Schuko* | 105 x 216 x 305 | 5,5 |
| PIN122121200 | | Phoenix 12/1200 VE.Direct Schuko* | 117 x 232 x 362 | 7,4 |
| PIN241251200 | | Phoenix 24/250 VE.Direct Schuko* | 86 x 165 x 260 | 2,4 |
| PIN241371200 | | Phoenix 24/375 VE.Direct Schuko* | 86 x 165 x 260 | 3,0 |
| PIN241501200 | | Phoenix 24/500 VE.Direct Schuko* | 86 x 172 x 275 | 3,9 |
| PIN241801200 | | Phoenix 24/800 VE.Direct Schuko* | 105 x 216 x 305 | 5,5 |
| PIN242121200 | | Phoenix 24/1200 VE.Direct Schuko* | 117 x 232 x 327 | 7,4 |

* All 12V, 24V and 48V inverters with Schuko outlet are also available with the following outlets:
IEC (male plug included), UK, AU/NZ (see appendix for article numbers)

| PRODUCT CODE | PRODUCT & MARK | DIMMENSIONS, mm | WEIGHT, kg |
|---|---|---|---|
| CIN121220000 | Phoenix Inverter C 12/1200 | 375 x 214 x 110 | 10 |
| CIN121620000 | Phoenix Inverter C 12/1600 | 375 x 214 x 110 | 10 |
| PIN122161000 | Phoenix Inverter 12/1600 Smart | 485 x 219 x 125 | 12 |
| CIN122200000 | Phoenix Inverter C 12/2000 | 520 x 255 x 125 | 13 |
| PIN122201000 | Phoenix Inverter 12/2000 Smart | 485 x 219 x 125 | 13 |
| PIN123020000 | Phoenix Inverter 12/3000 | 362 x 258 x 218 | 18 |
| PIN122300000 | Phoenix Inverter 12/3000 Smart | 533 x 285 x 150 | 18 |
| CIN241620000 | Phoenix Inverter C 24/1600 | 375 x 214 x 110 | 10 |
| PIN242161000 | Phoenix Inverter 24/1600 Smart | 485 x 219 x 125 | 12 |
| CIN242200000 | Phoenix Inverter C 24/2000 | 520 x 255 x 125 | 13 |

| PRODUCT CODE | PRODUCT & MARK | DIMMENSIONS, mm | WEIGHT, kg |
|---|---|---|---|
| PIN242201000 |  Phoenix Inverter 24/2000 Smart | 485 x 219 x 125 | 13 |
| PIN243020000 | Phoenix Inverter 24/3000 | 362 x 258 x 218 | 18 |
| PIN242300000 | Phoenix Inverter 24/3000 Smart | 485 x 285 x 150 | 19 |
| PIN245020000 | Phoenix Inverter 24/5000 | 444 x 328 x 240 | 28 |
| PIN242500000 | Phoenix Inverter 24/5000 Smart | 595 x 295 x 160 | 29 |
| PIN481251200 |  Phoenix 48/250 VE.Direct Schuko* | 86 x 165 x 260 | 2,4 |
| PIN481371200 | Phoenix 48/375 VE.Direct Schuko* | 86 x 165 x 260 | 3,0 |
| PIN481501200 | Phoenix 48/500 VE.Direct Schuko* | 86 x 172 x 275 | 3,9 |
| PIN481800200 | Phoenix 48/800 VE.Direct Schuko* | 105 x 216 x 305 | 5,5 |
| PIN482121200 | Phoenix 48/1200 VE.Direct Schuko* | 117 x 232 x 327 | 7,4 |

* All 12V, 24V and 48V inverters with Schuko outlet are also available with the following outlets:
IEC (male plug included), UK, AU/NZ (see appendix for article numbers)

| PRODUCT CODE | PRODUCT & MARK | | DIMMENSIONS, mm | WEIGHT, kg |
|---|---|---|---|---|
| PIN482161000 |  | Phoenix Inverter 48/1600 Smart | 485 x 219 x 125 | 12 |
| PIN482201000 | | Phoenix Inverter 48/2000 Smart | 485 x 219 x 125 | 13 |
| PIN483020000 | | Phoenix Inverter 48/3000 | 362 x 258 x 218 | 18 |
| PIN482300000 | | Phoenix Inverter 48/3000 Smart | 485 x 285 x 150 | 19 |
| PIN485020000 | | Phoenix Inverter 48/5000 | 444 x 328 x 240 | 28 |
| PIN482500000 | | Phoenix Inverter 48/5000 Smart | 555 x 295 x 160 | 28 |
| PIN482600000 | | Inverter RS 48/6000 230V Smart | 425 x 440 x 125 | 10 |
| SIN121251100 | | Sun Inverter 12/250-15 IEC | 86 x 165 x 260 | 2,7 |
| QUA123020010 | | Quattro 12/3000/120-50/50 | 362 x 258 x 218 | 19 |
| QUA125020000 | | Quattro 12/5000/220-100/100 | 470 x 350 x 280 | 34 |

| PRODUCT CODE | PRODUCT & MARK | DIMMENSIONS, mm | WEIGHT, kg |
|---|---|---|---|
| PMP121500000 |  MultiPlus 12/500/20-16 | 311 x 182 x 100 | 4,4 |
| PMP121800000 | MultiPlus 12/800/35-16 | 360 x 240 x 100 | 6,4 |
| PMP122120000 | MultiPlus 12/1200/50-16 | 406 x 250 x 100 | 8,2 |
| PMP122160000 | MultiPlus 12/1600/70-16 | 465 x 270 x 120 | 10 |
| PMP122200000 | MultiPlus 12/2000/80-32 | 506 x 234 x 146 | 15 |
| PMP122300001 | MultiPlus 12/3000/120-16 | 362 x 258 x 218 | 18 |
| PMP123021010 | MultiPlus 12/3000/120-50 | 362 x 258 x 218 | 18 |
| PMP122305010 | MultiPlus-II 12/3000/120-32 | 546 x 275 x 147 | 19 |
| CMP128010000 |  MultiPlus C 12/800/35-16 | 375 x 214 x 110 | 10 |
| CMP121220000 | MultiPlus C 12/1200/50-16 | 375 x 214 x 110 | 10 |

| PRODUCT CODE | PRODUCT & MARK | | DIMMENSIONS, mm | WEIGHT, kg |
|---|---|---|---|---|
| CMP121620000 |  | MultiPlus C 12/1600/70-16 | 375 x 214 x 110 | 10 |
| CMP122200000 | | MultiPlus C 12/2000/80-30 | 520 x 255 x 125 | 13 |
| CMP241220000 | | MultiPlus C 24/1200/25-16 | 375 x 214 x 110 | 10 |
| CMP241620000 | | MultiPlus C 24/1600/40-16 | 375 x 214 x 110 | 10 |
| CMP242200000 | | MultiPlus C 24/2000/50-30 | 520 x 255 x 125 | 13 |
| SIN241251100 |  | Sun Inverter 24/250-10 IEC | 86 x 165 x 260 | 2,7 |
| PIN482601000 | | Inverter RS 48/6000 230V Smart Solar | 425 x 440 x 125 | 11 |
| PMP241500000 |  | MultiPlus 24/500/10-16 | 311 x 182 x 100 | 4,4 |
| PMP241800000 | | MultiPlus 24/800/16-16 | 360 x 240 x 100 | 6,4 |
| PMP242120000 | | MultiPlus 24/1200/25-16 | 406 x 250 x 100 | 8,2 |

| PRODUCT CODE | PRODUCT & MARK | | DIMMENSIONS, mm | WEIGHT, kg |
|---|---|---|---|---|
| PMP242160000 |  | MultiPlus 24/1600/40-16 | 465 x 270 x 120 | 10 |
| PMP242200000 | | MultiPlus 24/2000/50-32 | 506 x 234 x 146 | 15 |
| PMP242300001 | | MultiPlus 24/3000/70-16 | 520 x 255 x 125 | 18 |
| PMP242301011 | | MultiPlus 24/3000/70-50 | 362 x 258 x 218 | 18 |
| PMP245021010 | | MultiPlus 24/5000/120-100 | 444 x 328 x 240 | 30 |
| PMP481500000 | | MultiPlus 48/500/6-16 | 311 x 182 x 100 | 4,4 |
| PMP481800000 | | MultiPlus 48/800/9-16 | 360 x 240 x 100 | 6,4 |
| PMP482120000 | | MultiPlus 48/1200/13-16 | 406 x 250 x 100 | 8,2 |
| PMP482160000 | | MultiPlus 48/1600/20-16 | 465 x 270 x 120 | 10 |
| PMP482200000 | | MultiPlus 48/2000/25-32 | 506 x 234 x 146 | 15 |

| PRODUCT CODE | PRODUCT & MARK | | DIMMENSIONS, mm | WEIGHT, kg |
|---|---|---|---|---|
| PMP483020001 |  | MultiPlus 48/3000/35-16 | 362 x 258 x 218 | 18 |
| PMP483021010 | | MultiPlus 48/3000/35-50 | 362 x 258 x 218 | 18 |
| PMP485021010 | | MultiPlus 48/5000/70-100 | 444 x 328 x 240 | 30 |
| PMR482602020 | | Multi RS Solar 48/6000/100-450/100 | 425 x 440 x 125 | 12 |
| PMP122200102 | | MultiPlus 12/2000/80-50 120V (UL 458) | 506 x 234 x 147 | 15 |
| PMP122301102 | | MultiPlus 12/3000/120-50 120V (UL 1741 and 458) | 362 x 258 x 218 | 18 |
| PMP242305010 |  | MultiPlus-II 24/3000/70-32 | 499 x 268 x 141 | 19 |
| PMP242306000 | | MultiPlus-II 24/3000/70-32 GX | 499 x 268 x 141 | 20 |
| PMP242505010 | | MultiPlus-II 24/5000/120-50 | 607 x 330 x 149 | 30 |
| PMP482305010 | | MultiPlus-II 48/3000/35-32 | 499 x 268 x 141 | 19 |

| PRODUCT CODE | PRODUCT & MARK | | DIMMENSIONS, mm | WEIGHT, kg |
|---|---|---|---|---|
| PMP482306000 |  | MultiPlus-II 48/3000/35-32 GX | 499 x 268 x 141 | 20 |
| PMP482505010 | | MultiPlus-II 48/5000/70-50 | 565 x 320 x 149 | 30 |
| PMP482506000 | | MultiPlus-II 48/5000/70-50-GX | 565 x 320 x 149 | 31 |
| PMP482805000 | | MultiPlus-II 48/8000/110-100 | 642 x 363 x 206 | 42 |
| PMP483105000 | | MultiPlus-II 48/10000/140-100 | 677 x 363 x 206 | 49 |
| PMP483150000 | | MultiPlus-II 48/15000/200-100 | 810 x 404 x 210 | 75 |
| CEP241621010 | | EasySolar 24/1600/40-16 MPPT 100/50 | 745 x 214 x 110 | 12 |
| PMP242307010 | | EasySolar-II 24/3000/70-32 MPPT 250/70 GX | 499 x 268 x 237 | 26 |
| PMP482307010 | | EasySolar-II 48/3000/35-32 MPPT 250/70 GX | 499 x 268 x 237 | 26 |
| PMP482507010 | | EasySolar-II 48/5000/70-50 MPPT 250/100 GX | 604 x 323 x 253 | 39 |

| PRODUCT CODE | PRODUCT & MARK | | DIMMENSIONS, mm | WEIGHT, kg |
|---|---|---|---|---|
| PMP122305120 |  | MultiPlus-II 12/3000/120-50 120V | 578 x 277 x 148 | 19 |
| PMP122305122 | | MultiPlus-II 12/3000/120-50 120V (UL458) | 578 x 277 x 148 | 19 |
| PMP122305100 | | MultiPlus-II 12/3000/120-50 2x120V | 578 x 277 x 148 | 22 |
| PMP122305102 | | MultiPlus-II 12/3000/120-50 2x120V (UL 458) | 578 x 277 x 148 | 22 |
| PMP242200100 | | MultiPlus 24/2000/50-50 120V | 506 x 234 x 147 | 15 |
| PMP242200102 | | MultiPlus 24/2000/50-50 120V (UL 458) | 506 x 234 x 147 | 15 |
| PMP243021102 | | MultiPlus 24/3000/70-50 120V | 362 x 258 x 218 | 18 |
| PMP242301102 | | MultiPlus 24/3000/70-50 120V (UL 1741 and 458) | 362 x 258 x 218 | 18 |
| PMP242305100 | | MultiPlus-II 24/3000/70-50 120V | 536 x 277 x 147 | 19 |
| PMP242305102 | | MultiPlus-II 24/3000/70-50 120V (UL 485) | 536 x 277 x 147 | 19 |

| PRODUCT CODE | PRODUCT & MARK | DIMMENSIONS, mm | WEIGHT, kg |
|---|---|---|---|
| PMP242305130 |  MultiPlus-II 24/3000/70-50 2x120V | 536 x 277 x 147 | 19 |
| PMP242305132 | MultiPlus-II 24/3000/70-50 2x120V (UL458) | 536 x 277 x 147 | 19 |
| PMP482200100 | MultiPlus 48/2000/25-50 120V | 506 x 234 x 147 | 15 |
| PMP482305100 | MultiPlus-II 48/3000/35-50 120V | 536 x 277 x 147 | 19 |
| PMP482305102 | MultiPlus-II 48/3000/35-50 120V (UL 1741) | 572 x 277 x 147 | 19 |
| PMP482505110 | MultiPlus-II 48/5000/70-95 120V | 676 x 330 x 164 | 32 |
| CEP121620000 | EasyPlus C 12/1600/70-16 | 510 x 214 x 110 | 11 |
| CEP121621000 | EasySolar 12/1600/70-16 MPPT 100/50 | 745 x 214 x 110 | 12 |
| QUA242505010 |  Quattro-II 4/5000/120-50/50 | 607 x 330 x 149 | 31 |
| QUA248020010 | Quattro 24/8000/200-100/100 | 470 x 350 x 280 | 41 |

| PRODUCT CODE | PRODUCT & MARK | | DIMMENSIONS, mm | WEIGHT, kg |
|---|---|---|---|---|
| QUA485021010 |  | Quattro 48/5000/70-100/100 | 444 x 328 x 240 | 29 |
| QUA482504010 | | Quattro-II 48/5000/70-50/50 | 565 x 320 x 149 | 31 |
| QUA488024000 | | Quattro 48/8000/110-100/100 | 470 x 350 x 280 | 41 |
| QUA481030010 | | Quattro 48/10000/140-100/100 | 470 x 350 x 280 | 45 |
| QUA483150000 | | Quattro 48/15000/200-100/100 | 572 x 488 x 344 | 72 |
| QUA243020010 | | Quattro 24/3000/70-50/50 | 362 x 258 x 218 | 19 |
| QUA245021010 | | Quattro 4/5000/120-100/100 | 444 x 328 x 240 | 30 |
| PIN123020100 | | Phoenix Inverter 12/3000 | 362 x 258 x 218 | 18 |
| PIN243020100 | | Phoenix Inverter 24/3000 | 362 x 258 x 218 | 18 |
| QUA122305130 | | Quattro-II 12/3000/120-50/50 2x120V | 579 x 319 x 168 | 24 |

| PRODUCT CODE | PRODUCT & MARK | DIMMENSIONS, mm | WEIGHT, kg |
|---|---|---|---|
| QUA125021100 |  Quattro 12/5000/220-100/100 120V | 470 x 350 x 280 | 34 |
| QUA242305130 | Quattro-II 24/3000/70-50/50 2x120V | 579 x 319 x 168 | 23 |
| QUA245023110 | Quattro 24/5000/120-100/100 120V | 444 x 328 x 240 | 30 |
| QUA483021100 | Quattro 48/3000/35-50/50 120V | 362 x 258 x 218 | 18 |
| QUA485021100 | Quattro 48/5000/70-100/100 120V | 444 x 328 x 240 | 30 |
| QUA483100100 | Quattro 48/10000/140-100/100 120V | 572 x 488 x 344 | 58 |
| QUA483150100 | Quattro 48/15000/200-100/100 277V | 572 x 488 x 344 | 72 |
| PIN122510500 |  Phoenix 12/250 VE.Direct NEMA 5-15R | 86 x 165 x 260 | 2,4 |
| PIN123750500 | Phoenix 12/375 VE.Direct NEMA 5-15R | 86 x 165 x 260 | 3,0 |
| PIN125010500 | Phoenix 12/500 VE.Direct NEMA 5-15R | 86 x 172 x 275 | 3,9 |

| PRODUCT CODE | PRODUCT & MARK | | DIMMENSIONS, mm | WEIGHT, kg |
|---|---|---|---|---|
| PIN121800500 |  | Phoenix 12/800 VE.Direct NEMA 5-15R | 105 x 216 x 305 | 5,5 |
| PIN122122500 | | Phoenix 12/1200 VE.Direct NEMA 5-15R | 117 x 232 x 362 | 8,5 |
| PIN122510510 | | Phoenix 12/250 VE.Direct NEMA GFCI (UL 458) | 86 x 165 x 260 | 2,4 |
| PIN123750510 | | Phoenix 12/375 VE.Direct NEMA GFCI (UL 458) | 86 x 165 x 260 | 3,0 |
| PIN125010510 | | Phoenix 12/500 VE.Direct NEMA GFCI (UL 458) | 86 x 172 x 275 | 3,9 |
| PIN121800510 | | Phoenix 12/800 VE.Direct NEMA GFCI (UL 458) | 105 x 216 x 305 | 5,5 |
| PIN122122510 | | Phoenix 12/1200 VE.Direct NEMA GFCI (UL 458) | 117 x 232 x 362 | 8,5 |
| PIN242510500 | | Phoenix 24/250 VE.Direct NEMA 5-15R | 86 x 165 x 260 | 2,4 |
| PIN243750500 | | Phoenix 24/375 VE.Direct NEMA 5-15R | 86 x 165 x 260 | 3,0 |
| PIN245010500 | | Phoenix 24/500 VE.Direct NEMA 5-15R | 86 x 172 x 275 | 3,9 |

| PRODUCT CODE | PRODUCT & MARK | DIMMENSIONS, mm | WEIGHT, kg |
|---|---|---|---|
| PIN241800500 |  Phoenix 24/800 VE.Direct NEMA 5-15R | 105 x 216 x 305 | 5,5 |
| PIN242122500 | Phoenix 24/1200 VE.Direct NEMA 5-15R | 117 x 232 x 327 | 7,4 |
| PIN242510510 | Phoenix 24/250 VE.Direct NEMA GFCI (UL 458) | 86 x 165 x 260 | 2,4 |
| PIN243750510 | Phoenix 24/375 VE.Direct NEMA GFCI (UL 458) | 86 x 165 x 260 | 3,0 |
| PIN245010510 | Phoenix 24/500 VE.Direct NEMA GFCI (UL 458) | 86 x 172 x 275 | 3,9 |
| PIN241800510 | Phoenix 24/800 VE.Direct NEMA GFCI (UL 458) | 105 x 216 x 305 | 5,5 |
| PIN242122510 | Phoenix 24/1200 VE.Direct NEMA GFCI (UL 458) | 117 x 232 x 327 | 7,4 |
| PIN482510500 | Phoenix 48/250 VE.Direct NEMA 5-15R | 86 x 165 x 260 | 2,4 |
| PIN483750500 | Phoenix 48/375 VE.Direct NEMA 5-15R | 86 x 165 x 260 | 3,0 |
| PIN485010500 | Phoenix 48/500 VE.Direct NEMA 5-15R | 86 x 172 x 275 | 3,9 |

| PRODUCT CODE | PRODUCT & MARK | DIMMENSIONS, mm | WEIGHT, kg |
|---|---|---|---|
| PIN481800500 |  Phoenix 48/800 VE.Direct NEMA 5-15R | 105 x 216 x 305 | 5,5 |
| PIN482120500 | Phoenix 48/1200 VE.Direct NEMA 5-15R | 117 x 232 x 327 | 7,4 |
| PIN482510510 | Phoenix 48/250 VE.Direct NEMA GFCI (UL 458) | 86 x 165 x 260 | 2,4 |
| PIN483750510 | Phoenix 48/375 VE.Direct NEMA GFCI (UL 458) | 86 x 165 x 260 | 3,0 |
| PIN485010510 | Phoenix 48/500 VE.Direct NEMA GFCI (UL 458) | 86 x 172 x 275 | 3,9 |
| PIN481800510 | Phoenix 48/800 VE.Direct NEMA GFCI (UL 458) | 105 x 216 x 305 | 5,5 |
| PIN482120510 | Phoenix 48/1200 VE.Direct NEMA GFCI (UL 458) | 117 x 232 x 327 | 7,4 |
| CMP122200102 |  MultiPlus C 12/2000/80-50 120V (UL 458) | 520 x 255 x 125 | 13 |
| CMP242200100 | MultiPlus C 24/2000/50-50 120V | 520 x 255 x 125 | 13 |

| PRODUCT CODE | PRODUCT & MARK | DIMMENSIONS, mm | WEIGHT, kg |
|---|---|---|---|
| ASS030537010 | VE.Bus Smart dongle | | |
| BPC120134034R |  Blue Smart IP65 Charger 6V/12V-1.1 + DC connector | 38 x 64 x 153 | 0,4 |
| BPC120433064R | Blue Smart IP65s Charger 12/4 + DC connector | 45 x 81 x 182 | 0,6 |
| BPC120533064R | Blue Smart IP65s Charger 12/5 + DC connector | 45 x 81 x 182 | 0,6 |
| BPC120731064R | Blue Smart IP65 Charger 12/7 + DC connector | 47 x 95 x 190 | 0,8 |
| BPC121031064R | Blue Smart IP65 Charger 12/10 + DC connector | 60 x 105 x 190 | 0,9 |
| BPC121531064R | Blue Smart IP65 Charger 12/15 + DC connector | 60 x 105 x 190 | 0,9 |
| BPC122531064 | Blue Smart IP65 Charger 12/25 + DC connector | 75 x 140 x 240 | 1,9 |
| BPC240531064R | Blue Smart IP65 Charger 24/5 + DC connector | 47 x 95 x 190 | 0,8 |
| BPC240831064R | Blue Smart IP65 Charger 24/8 + DC connector | 60 x 105 x 190 | 0,9 |

| PRODUCT CODE | PRODUCT & MARK | | DIMMENSIONS, mm | WEIGHT, kg |
|---|---|---|---|---|
| BPC241331064 |  | Blue Smart IP65 Charger 24/13 + DC connector | 75 x 140 x 240 | 1,9 |
| BPC241331124 | | Blue Smart IP65 Charger 24/13 + DC connector | 75 x 140 x 240 | 1,9 |
| BPC120134124R | | Blue Smart IP65 Charger 6V/12V-1.1 + DC connector | 38 x 64 x 153 | 0,4 |
| BPC120531104R | | Blue Smart IP65 Charger 12/5 + DC connector | 47 x 95 x 190 | 0,8 |
| BPC120731104R | | Blue Smart IP65 Charger 12/7 + DC connector | 47 x 95 x 190 | 0,8 |
| BPC121031104R | | Blue Smart IP65 Charger 12/10 + DC connector | 60 x 105 x 190 | 0,9 |
| BPC121531104R | | Blue Smart IP65 Charger 12/15 + DC connector | 60 x 105 x 190 | 0,9 |
| BPC122531124 | | Blue Smart IP65 Charger 12/25 + DC connector | 75 x 140 x 240 | 1,9 |
| BPC240531104R | | Blue Smart IP65 Charger 24/5 + DC connector | 47 x 95 x 190 | 0,8 |
| BPC240831104R | | Blue Smart IP65 Charger 24/8 + DC connector | 60 x 105 x 190 | 0,9 |

| PRODUCT CODE | PRODUCT & MARK | DIMMENSIONS, mm | WEIGHT, kg |
|---|---|---|---|
| BPC900100014 |  M6 eyelet connector (with 30A ATO fuse) | | |
| BPC900110014 | M8 eyelet connector (with 30A ATO fuse) | | |
| BPC900200014 |  2 meter extension cable | | |
| BPC900300014 |  12 Volt plug (cigarette plug with 16A fuse) | | |
| BPC900400014 |  Clamp connector (with 30A ATO fuse) | | |
| BPC900110114 |  Battery Indicator Panel (M8 eyelet / 30A ATO fuse) | | |

| PRODUCT CODE | PRODUCT & MARK | DIMMENSIONS, mm | WEIGHT, kg |
|---|---|---|---|
| BPC900120114 |  Battery Indicator Eyelet (M8 eyelet / 30A ATO fuse) | | |
| BPC900500014 |  MagCode Power Clip 12V (max. 15A) | | |
| BPC900520014 | MagCode Power Port 12V (max. 15A) | | |
| BPC920100100 |  Rubber bumper for IP65 Charger 12/10, 12/15, 24/8 | | |
| BPC920100110 | Rubber bumper for IP65 Charger 12/25, 24/13 | | |
| BPC920100200 |  Wall mount for IP65 Charger 12/10, 12/15, 24/8 | | |
| BPC920100210 | Wall Mount for IP65 Charger 12/25, 24/13 | | |

| PRODUCT CODE | PRODUCT & MARK | | DIMMENSIONS, mm | WEIGHT, kg |
|---|---|---|---|---|
| BPC940100100 |  | Carry case for IP65 Charger & accessories | 295 x 350 x 105 | |
| BPC940100200 | | Carry case for IP65 Ch. 12/25, 24/13 & accessories | 345 x 520 x 130 | |
| BPC121542002 |  | Blue Smart IP22 Charger 12/15 (1) | 235 x 108 x 65 | 1,4 |
| BPC121544002 | | Blue Smart IP22 Charger 12/15 (3) | 235 x 108 x 65 | 1,4 |
| BPC122042002 | | Blue Smart IP22 Charger 12/20 (1) | 235 x 108 x 65 | 1,4 |
| BPC122044002 | | Blue Smart IP22 Charger 12/20 (3) | 235 x 108 x 65 | 1,4 |
| BPC123047002 | | Blue Smart IP22 Charger 12/30 (1) | 235 x 108 x 65 | 1,4 |
| BPC123048002 | | Blue Smart IP22 Charger 12/30 (3) | 235 x 108 x 65 | 1,4 |
| BPC240842002 | | Blue Smart IP22 Charger 24/8 (1) | 235 x 108 x 65 | 1,4 |
| BPC241242002 | | Blue Smart IP22 Charger 24/12 (1) | 235 x 108 x 65 | 1,4 |

| PRODUCT CODE | PRODUCT & MARK | | DIMMENSIONS, mm | WEIGHT, kg |
|---|---|---|---|---|
| BPC241647002 |  | Blue Smart IP22 Charger 24/16 (1) | 235 x 108 x 65 | 1,4 |
| BPC241648002 | | Blue Smart IP22 Charger 24/16 (3) | 235 x 108 x 65 | 1,4 |
| BPC120713006 |  | Blue Smart IP67 Charger 12/7 (1) | 85 x 211 x 60 | 1,8 |
| BPC121313006 | | Blue Smart IP67 Charger 12/13 (1) | 85 x 211 x 60 | 1,8 |
| BPC121713006 | | Blue Smart IP67 Charger 12/17 (1) | 99 x 219 x 65 | 2,4 |
| BPC122547006 | | Blue Smart IP67 Charger 12/25 (1) | 99 x 219 x 65 | 2,4 |
| BPC122514006 | | Blue Smart IP67 Charger 12/25 (1+Si) | 99 x 219 x 65 | 2,4 |
| BPC240513006 | | Blue Smart IP67 Charger 24/5 (1) | 85 x 211 x 60 | 1,8 |
| BPC240813006 | | Blue Smart IP67 Charger 24/8 (1) | 99 x 219 x 65 | 2,4 |
| BPC241247006 | | Blue Smart IP67 Charger 24/12 (1) | 99 x 219 x 65 | 2,4 |

| PRODUCT CODE | PRODUCT & MARK | DIMMENSIONS, mm | WEIGHT, kg |
|---|---|---|---|
| BPC241214006 |  Blue Smart IP67 Charger 24/12 (1+Si) | 99 x 219 x 65 | 2,4 |
| BPC120715106 | Blue Smart IP67 Charger 12/7 (1) | 85 x 211 x 60 | 1,8 |
| BPC121315106 | Blue Smart IP67 Charger 12/13 (1) | 85 x 211 x 60 | 1,8 |
| BPC121715106 | Blue Smart IP67 Charger 12/17(1) | 99 x 219 x 65 | 2,4 |
| BPC122547106 | Blue Smart IP67 Charger 12/25(1) | 99 x 219 x 65 | 2,4 |
| BPC240515106 | Blue Smart IP67 Charger 24/5 (1) | 85 x 211 x 60 | 1,8 |
| BPC240815106 | Blue Smart IP67 Charger 24/5 (1) | 99 x 219 x 65 | 2,4 |
| BPC241247106 | Blue Smart IP67 Charger 24/12 (1) | 99 x 219 x 65 | 2,4 |
| BPC121545102 |  Blue Smart IP22 Charger 12/15 (1) | 235 x 108 x 65 | 1,4 |
| BPC121546102 | Blue Smart IP22 Charger 12/15 (3) | 235 x 108 x 65 | 1,4 |

| PRODUCT CODE | PRODUCT & MARK | DIMMENSIONS, mm | WEIGHT, kg |
|---|---|---|---|
| BPC122045102 |  Blue Smart IP22 Charger 12/20 (1) | 235 x 108 x 65 | 1,4 |
| BPC122046102 | Blue Smart IP22 Charger 12/20 (3) | 235 x 108 x 65 | 1,4 |
| BPC123047102 | Blue Smart IP22 Charger 12/30 (1) | 235 x 108 x 65 | 1,4 |
| BPC123048102 | Blue Smart IP22 Charger 12/30 (3) | 235 x 108 x 65 | 1,4 |
| BPC240845102 | Blue Smart IP22 Charger 24/8 (1) | 235 x 108 x 65 | 1,4 |
| BPC241245102 | Blue Smart IP22 Charger 24/12 (1) | 235 x 108 x 65 | 1,4 |
| BPC241647102 | Blue Smart IP22 Charger 24/16 (1) | 235 x 108 x 65 | 1,4 |
| BPC241648102 | Blue Smart IP22 Charger 24/16 (3) | 235 x 108 x 65 | 1,4 |
| PSC123051085 |  Phoenix Smart IP43 Charger 12/30 (1+1) | 180 x 249 x 100 | 3,5 |
| PSC123053085 | Phoenix Smart IP43 Charger 12/30 (3) | 180 x 249 x 100 | 3,5 |

| PRODUCT CODE | PRODUCT & MARK | | DIMMENSIONS, mm | WEIGHT, kg |
|---|---|---|---|---|
| PSC125051085 |  | Phoenix Smart IP43 Charger 12/50 (1+1) | 180 x 249 x 100 | 3,5 |
| PSC125053085 | | Phoenix Smart IP43 Charger 12/50 (3) | 180 x 249 x 100 | 3,5 |
| PSC241651085 | | Phoenix Smart IP43 Charger 24/16 (1+1) | 180 x 249 x 100 | 3,5 |
| PSC241653085 | | Phoenix Smart IP43 Charger 24/16 (3) | 180 x 249 x 100 | 3,5 |
| PSC242551085 | | Phoenix Smart IP43 Charger 24/25 (1+1) | 180 x 249 x 100 | 3,5 |
| PSC242553085 | | Phoenix Smart IP43 Charger 24/25 (3) | 180 x 249 x 100 | 3,5 |
| PSC123051095 | | Phoenix Smart IP43 Charger 12/30 (1+1) 120/240V | 180 x 249 x 100 | 3,5 |
| PSC123053095 | | Phoenix Smart IP43 Charger 12/30 (3) 120/240V | 180 x 249 x 100 | 3,5 |
| PSC125051095 | | Phoenix Smart IP43 Charger 12/50 (1+1) 120/240V | 180 x 249 x 100 | 3,5 |
| PSC125053095 | | Phoenix Smart IP43 Charger 12/50 (3) 120/240V | 180 x 249 x 100 | 3,5 |

| PRODUCT CODE | PRODUCT & MARK | DIMMENSIONS, mm | WEIGHT, kg |
|---|---|---|---|
| PSC241651095 |  Phoenix Smart IP43 Charger 24/16 (1+1) 120/240V | 180 x 249 x 100 | 3,5 |
| PSC242551095 | Phoenix Smart IP43 Charger 24/25 (1+1) 120/240V | 180 x 249 x 100 | 3,5 |
| PSC242553095 | Phoenix Smart IP43 Charger 24/25 (3) 120/240V | 180 x 249 x 100 | 3,5 |
| CCH012020000 |  Centaur Charger 12/20 (3) | 355 x 215 x 110 | 3,8 |
| CCH012030000 | Centaur Charger 12/30 (3) | 355 x 215 x 110 | 3,8 |
| CCH012040000 | Centaur Charger 12/40 (3) | 426 x 239 x 135 | 5 |
| CCH012050000 | Centaur Charger 12/50 (3) | 426 x 239 x 135 | 5 |
| CCH012060000 | Centaur Charger 12/60 (3) | 426 x 239 x 135 | 5 |
| CCH012080000 | Centaur Charger 12/80 (3) | 505 x 255 x 130 | 12 |
| CCH012100000 | Centaur Charger 12/100 (3) | 505 x 255 x 130 | 12 |

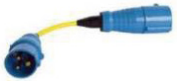
| PRODUCT CODE | PRODUCT & MARK | | DIMMENSIONS, mm | WEIGHT, kg |
|---|---|---|---|---|
| CCH024016000 |  | Centaur Charger 24/16 (3) | 355 x 215 x 110 | 3,8 |
| CCH024030000 | | Centaur Charger 24/30 (3) | 426 x 239 x 135 | 5 |
| CCH024040000 | | Centaur Charger 24/40 (3) | 505 x 255 x 130 | 12 |
| CCH024060000 | | Centaur Charger 24/60 (3) | 505 x 255 x 130 | 12 |
| PCH012030001 |  | Phoenix Charger 12/30(2+1) 120/240V | 350 x 200 x 108 | 3,8 |
| PCH012050001 | | Phoenix Charger 12/50(2+1) 120/240V | 350 x 200 x 108 | 3,8 |
| PCH024016001 | | Phoenix Charger 24/16(2+1) 120/240V | 350 x 200 x 108 | 3,8 |
| PCH024025001 | | Phoenix Charger 24/25(2+1) 120/240V | 350 x 200 x 108 | 3,8 |
| SKY012070000 |  | Skylla IP65 12/70(1+1) 120/240V | 401 x 265 x 151 | 6 |
| SKY012070100 | | Skylla IP65 12/70(3) 120/240V | 401 x 265 x 151 | 6 |

| PRODUCT CODE | PRODUCT & MARK | DIMMENSIONS, mm | WEIGHT, kg |
|---|---|---|---|
| SKY024035000 |  Skylla IP65 24/35(1+1) 120/240V | 401 x 265 x 151 | 6 |
| SKY024035100 | Skylla IP65 24/35(3) 120/240V | 401 x 265 x 151 | 6 |
| ADA010100100 | Mains Cord CEE 7/7 for Smart IP43 Charger 2m | | |
| ADA010100200 | Mains Cord UK for Smart IP43 Charger 2m | | |
| ADA010100300 | Mains Cord AU/NZ for Smart IP43 2m | | |
| ADA010100500 | Mains Cord NEMA 6-15P for Smart IP43 2m | | |
| ADA010100100 | Mains Cord CEE 7/7 for Smart IP43 Charger 2m | | |
| ADA010100200 | Mains Cord UK for Smart IP43 Charger 2m | | |
| ADA010100300 | Mains Cord AU/NZ for Smart IP43 2m | | |
| ADA010100500 | Mains Cord NEMA 6-15P for Smart IP43 2m | | |

| PRODUCT CODE | PRODUCT & MARK | | DIMMENSIONS, mm | WEIGHT, kg |
|---|---|---|---|---|
| SDTG2400301 |  | Skylla-TG 24/30 (1+1) 120/240V | 365 x 250 x 147 | 5,5 |
| SDTG2400501 | | Skylla-TG 24/50 (1+1) 230V | 365 x 250 x 147 | 5,5 |
| SDTG2400801 | | Skylla-TG 24/80 (1+1) 230V | 365 x 250 x 257 | 10 |
| SDTG2401001 | | Skylla-TG 24/100 (1+1) 230V | 365 x 250 x 257 | 10 |
| STG024050300 | | Skylla-TG 24/50 3-phase (1+1) 400V | 365 x 250 x 257 | 13 |
| STG024100300 | | Skylla-TG 24/100 3-phase (1+1) 400V | 515 x 260 x 265 | 23 |
| SDTG2400303 | | Skylla-TG 24/30 (1+1) 120/240V | 365 x 250 x 147 | 5,5 |
| SDTG2400503 | | Skylla-TG 24/50 (1+1) 120/240V | 365 x 250 x 147 | 5,5 |
| SDTG2401003 | | Skylla-TG 24/100 (1+1) 120/240V | 365 x 250 x 257 | 10 |
| SDTG2400302 | | Skylla-TG 24/30 GMDSS 120/240V (excl. panel) | 485 x 250 x 147 | 6 |

| PRODUCT CODE | PRODUCT & MARK | | DIMMENSIONS, mm | WEIGHT, kg |
|---|---|---|---|---|
| SDTG2400504 |  | Skylla-TG 24/50 GMDSS 120/240V (excl. panel) | 485 x 250 x 147 | 6 |
| SDTG4800251 | | Skylla-TG 48/25 (1+1) 230V | 365 x 250 x 147 | 5,5 |
| SDTG4800501 | | Skylla-TG 48/50 (1+1) 230V | 365 x 250 x 257 | 10 |
| SKI024080000 |  | Skylla-i 24/80 (1+1) 230V | 402 x 250 x 140 | 8 |
| SKI024080002 | | Skylla-i 24/80 (3) 230V | 402 x 250 x 140 | 8 |
| SKI024100000 | | Skylla-i 24/100 (1+1) 230V | 402 x 250 x 140 | 8 |
| SKI024100002 | | Skylla-i 24/100 (3) 230V | 402 x 250 x 140 | 8 |

| PRODUCT CODE | PRODUCT & MARK | DIMMENSIONS, mm | WEIGHT, kg |
|---|---|---|---|
| ASS030550400 | Skylla-i remote on-off cable | | |
| SHP302501500 | Shore Power Cord 15m 16A | | |
| SHP302502500 | Shore Power Cord 25m 16A | | |
| SHP304001500 | Shore Power Cord 15m 25A | | |
| SHP306002500 | Shore Power Cord 25m 32A | | |
| SHP301603000 | Power Inlet 16A polyamid with cover | | |
| SHP301602000 | Power Inlet 16A stainless steel with cover | | |
| SHP303202000 | Power Inlet 32A stainless steel with cover | | |
| SHP301604000 | Plug 16A/250Vac (2p/3w) for Power Inlet 16A | | |
| SHP303204000 | Plug 32A/250Vac (2p/3w) for Power Inlet 32A | | |

| PRODUCT CODE | PRODUCT & MARK | DIMMENSIONS, mm | WEIGHT, kg |
|---|---|---|---|
| SHP307700220 |  | Adapter Cord 16A/250V Schuko/CEE | |
| SHP307700260 |  | Adapter Cord 16A/250V CEE/Schuko | |
| SHP307700240 |  | Splitter Cord 16A/250V CEE/2xCEE | |
| SHP307700280 |  | Adapter Cord 16A to 32A/250V CEE/CEE | |
| SHP307700300 |  | Adapter Cord 32A 3-phase to single phase | |

| PRODUCT CODE | PRODUCT & MARK | DIMMENSIONS, mm | WEIGHT, kg |
|---|---|---|---|
| EVC300400300 |  EV Charging Station | | |
| EVC200300200 | EV Charging Station NS | | |
| EVC200300310 | Black front for EV Charging Station NS | | |
| EVC200300410 | White front for EV Charging Station NS | | |
| ITR040202041 |  Isolation Trans. 2000W 115/230V | 375 x 214 x 110 | 10 |
| ITR040362041 | Isolation Trans. 3600W 115/230V | 362 x 258 x 218 | 23 |
| ITR000702001 | Isolation Trans. 7000W 230V | 362 x 258 x 218 | 30 |
| ITR050362041 | Isolation Trans. 3600W Auto 115/230V | 362 x 258 x 218 | 23 |
| ITR000100001 | Autotransformer 120/240VAC-32A | 375 x 214 x 110 | 10 |
| ITR000100101 | Autotransformer 120/240VAC-100A | 425 x 214 x 110 | 14 |

| PRODUCT CODE | PRODUCT & MARK | | DIMMENSIONS, mm | WEIGHT, kg |
|---|---|---|---|---|
| GDI000016000 | | Galvanic Isolator VDI-16 | 60 x 120 x 200 | 1 |
| GDI000032000 | | Galvanic Isolator VDI-32 | 63 x 164 x 235 | 2 |
| GDI000064000 | | Galvanic Isolator VDI-64 | 64 x 164 x 224 | 2 |
| ORI241205260 |  | Orion IP67 24/12-5 (60W) | 25 x 43 x 20 | 0,10 |
| ORI241210260 | | Orion IP67 24/12-10 (120W) | 74 x 74 x 32 | 0,40 |
| ORI241220260 | | Orion IP67 24/12-20 (240W) | 74 x 74 x 32 | 0,45 |
| ORI122421226 |  | Orion IP67 12/24-50 (1200W) | 340 x 127 x 63 | 3,05 |
| ORI241221226 | | Orion IP67 24/12-100 (1200W) | 265 x 127 x 63 | 2,15 |
| ORI241205200(R) |  | Orion-Tr 24/12-5 (60W) | 53 x 51 x 27 | 0,10 |
| ORI241210200(R) | | Orion-Tr 24/12-10 (120W) | 73 x 94 x 37 | 0,20 |

| PRODUCT CODE | PRODUCT & MARK | DIMMENSIONS, mm | WEIGHT, kg |
|---|---|---|---|
| ORI241215200(R) |  Orion-Tr 24/12-15 (180W) | 73 x 94 x 45 | 0,30 |
| ORI241220200(R) | Orion-Tr 24/12-20 (240W) | 73 x 94 x 45 | 0,30 |
| ORI241225020 |  Orion 24/12-25 | 65 x 88 x 160 | 0,70 |
| ORI241240021 | Orion 24/12-40 | 65 x 88 x 185 | 0,85 |
| ORI241270020 | Orion 24/12-70 | 65 x 88 x 195 | 0,90 |
| ORI241270030 | Orion 24/12-70 with binding posts | 65 x 88 x 195 | 0,90 |
| ORI122408020 | Orion 12/24-8 | 45 x 90 x 115 | 0,30 |
| ORI122410020 | Orion 12/24-10 | 45 x 90 x 125 | 0,40 |
| ORI122420020 | Orion 12/24-20 | 65 x 88 x 195 | 0,90 |
| ASS000200100 | CAN-bus Temp. sensor for Buck-Boost DC-DC converter | | |

| PRODUCT CODE | PRODUCT & MARK | | DIMMENSIONS, mm | WEIGHT, kg |
|---|---|---|---|---|
| ORI303025000 |  | 25A Buck-Boost DC-DC converter | 165 x 120 x 30 | 0,90 |
| ORI303050000 | | 50A Buck-Boost DC-DC converter | 213 x 120 x 30 | 1,10 |
| ORI303100000 | | 100A Buck-Boost DC-DC converter | 288 x 162 x 50 | 4,00 |
| ORI121236140 |  | Orion-Tr Smart 12/12-30A Non-isolated DC-DC ch. | 130 x 186 x 80 | 1,8 |
| ORI122436140 | | Orion-Tr Smart 12/24-15A Non-isolated DC-DC ch. | 130 x 186 x 80 | 1,8 |
| ORI241236140 | | Orion-Tr Smart 24/12-30A Non-isolated DC-DC ch. | 130 x 186 x 80 | 1,8 |
| ORI242440140 | | Orion-Tr Smart 24/24-17A Non-isolated DC-DC ch. | 130 x 186 x 80 | 1,8 |
| ORI121222120 | | Orion-Tr Smart 12/12-18A Isolated DC-DC charger | 130 x 186 x 70 | 1,3 |
| ORI121236120 | | Orion-Tr Smart 12/12-30A Isolated DC-DC charger | 130 x 186 x 80 | 1,8 |
| ORI122424120 | | Orion-Tr Smart 12/24-10A Isolated DC-DC charger | 130 x 186 x 70 | 1,3 |

| PRODUCT CODE | PRODUCT & MARK | | DIMMENSIONS, mm | WEIGHT, kg |
|---|---|---|---|---|
| ORI122436120 |  | Orion-Tr Smart 12/24-15A Isolated DC-DC charger | 130 x 186 x 80 | 1,8 |
| ORI241224120 | | Orion-Tr Smart 24/12-20A Isolated DC-DC charger | 130 x 186 x 70 | 1,3 |
| ORI241236120 | | Orion-Tr Smart 24/12-30A Isolated DC-DC charger | 130 x 186 x 80 | 1,8 |
| ORI242428120 | | Orion-Tr Smart 24/24-12A Isolated DC-DC charger | 130 x 186 x 70 | 1,3 |
| ORI242440120 | | Orion-Tr Smart 24/24-17A Isolated DC-DC charger | 130 x 186 x 70 | 1,6 |
| ORI121217040 | | Orion XS 12/12-50A DC-DC battery charger | 138 x 123 x 40 | 0,33 |
| ORI121210110(R) |  | Orion-Tr 12/12-9A (110W) | 100 x 113 x 47 | 0,6 |
| ORI121222110 | | Orion-Tr 12/12-18A (220W) | 130 x 186 x 70 | 1,3 |
| ORI121240110 | | Orion-Tr 12/12-30A (360W) | 130 x 186 x 80 | 1,8 |
| ORI122410110 | | Orion-Tr 12/24-5A (120W) | 100 x 113 x 47 | 0,6 |

| PRODUCT CODE | PRODUCT & MARK | | DIMMENSIONS, mm | WEIGHT, kg |
|---|---|---|---|---|
| ORI122424110 |  | Orion-Tr 12/24-10A (240W) | 130 x 186 x 70 | 1,3 |
| ORI122441110 | | Orion-Tr 12/24-15A (360W) | 130 x 186 x 80 | 1,8 |
| ORI241210110(R) | | Orion-Tr 24/12-9A (110W) | 100 x 113 x 47 | 0,6 |
| ORI241224110 | | Orion-Tr 24/12-20A (240W) | 130 x 186 x 70 | 1,3 |
| ORI241240110 | | Orion-Tr 24/12-30A (360W) | 130 x 186 x 80 | 1,8 |
| ORI242410110(R) | | Orion-Tr 24/24-5A (120W) | 100 x 113 x 47 | 0,6 |
| ORI242428110 | | Orion-Tr 24/24-12A (280W) | 130 x 186 x 70 | 1,3 |
| ORI242441110 | | Orion-Tr 24/24-17A (400W) | 130 x 186 x 70 | 1,6 |
| ORI244810110 | | Orion-Tr 24/48-2,5A (120W) | 100 x 113 x 47 | 0,6 |
| ORI244828110 | | Orion-Tr 24/48-6A (280W) | 130 x 186 x 70 | 1,3 |

| PRODUCT CODE | PRODUCT & MARK | | DIMMENSIONS, mm | WEIGHT, kg |
|---|---|---|---|---|
| ORI244841110 |  | Orion-Tr 24/48-8,5A (400W) | 130 x 186 x 70 | 1,6 |
| ORI481210110 | | Orion-Tr 48/12-9A (110W) | 100 x 113 x 47 | 0,6 |
| ORI481224110 | | Orion-Tr 48/12-20A (240W) | 130 x 186 x 70 | 1,3 |
| ORI481240110 | | Orion-Tr 48/12-30A (360W) | 130 x 186 x 80 | 1,8 |
| ORI482410110 | | Orion-Tr 48/24-5A (120W) | 100 x 113 x 47 | 0,6 |
| ORI482428110 | | Orion-Tr 48/24-12A (280W) | 130 x 186 x 70 | 1,3 |
| ORI482441110 | | Orion-Tr 48/24-16A (380W) | 130 x 186 x 70 | 1,6 |
| ORI484810110 | | Orion-Tr 48/48-2,5A (120W) | 100 x 113 x 47 | 0,6 |
| ORI484828110 | | Orion-Tr 48/48-6A (280W) | 130 x 186 x 70 | 1,3 |
| ORI484841110 | | Orion-Tr 48/48-8A (380W) | 130 x 186 x 70 | 1,6 |

| PRODUCT CODE | PRODUCT & MARK | | DIMMENSIONS, mm | WEIGHT, kg |
|---|---|---|---|---|
| ORI110123610 |  | Orion 110/12-30A (360W) | 64 x 163 x 160 | 1,4 |
| ORI110243610 | | Orion 110/24-15A (360W) | 64 x 163 x 160 | 1,4 |
| ASS070300100 | | Orion-Tr Isolated DC-DC Charger remote cable | | |
| SDFI0000000 |  | Filax-2 230V/50Hz-240V/60Hz | 120 x 255 x 75 | 0,8 |
| SDFI0000110 | | Filax-2 110V/50Hz-120V/60Hz | 120 x 255 x 75 | 0,8 |
| LYN020102000 |  | Lynx Power In (M8) | 170 x 290 x 80 | 2,1 |
| LYN020102010 | | Lynx Power In (M10) | 170 x 290 x 80 | 2,1 |
| LYN060102000 | | Lynx Distributor (M8) | 170 x 290 x 80 | 2,2 |
| LYN060102010 | | Lynx Distributor (M10) | 170 x 290 x 80 | 2,3 |

| PRODUCT CODE | PRODUCT & MARK | | DIMMENSIONS, mm | WEIGHT, kg |
|---|---|---|---|---|
| COS230502100 |  | VE Transfer Switch 5kVA/230V | 175 x 215 x 120 | 1,4 |
| COS230103100 | | VE Transfer Switch 10kVA/230V | 175 x 215 x 120 | 1,5 |
| LYN060404010 | | Lynx Class-T Power In (M10) | 170 x 280 x 97 | 2,1 |
| LYN034160200 | | Lynx Smart BMS 500 (M8) | 170 x 186 x 80 | 2,2 |
| LYN034170210 | | Lynx Smart BMS 1000 (M10) | 170 x 186 x 80 | 2,5 |
| LYN040102100 |  | Lynx Shunt VE.Can (M8) | 170 x 186 x 80 | 1,4 |
| VBB413020010 |  | Dual Terminal Stud<br>M8-linked set (1 red/1 black) | | |

| PRODUCT CODE | PRODUCT & MARK | DIMMENSIONS, mm | WEIGHT, kg |
|---|---|---|---|
| VBB115021020 |  Busbar 150A 2P with 10 screws +cover | | |
| VBB115022020 | Busbar 150A 2P with 20 screws +cover | | |
| VBB115040020 |  Busbar 150A 4P + cover | | |
| VBB115060020 | Busbar 150A 6P + cover | | |
| VBB125020620 |  Busbar 250A 2P with 6 screws +cover | | |
| VBB125021220 | Busbar 250A 2P with 12 screws +cover | | |
| VBB125040010 | Busbar 250A 4P + cover | | |
| VBB125060020 | Busbar 250A 6P + cover | | |

| PRODUCT CODE | PRODUCT & MARK | DIMMENSIONS, mm | WEIGHT, kg |
|---|---|---|---|
| VBB160040010 |  Busbar 600A 4P + cover | | |
| VBB160080010 | Busbar 600A 8P + cover | | |
| VBS127010010 |  Battery switch on/off 275A | | |
| CIP132060010 |  MIDI-fuse 60A/32V (package of 5 pcs) | 8 x 12 x 42 | |
| CIP132080010 | MIDI-fuse 80A/32V (package of 5 pcs) | 8 x 12 x 42 | |
| CIP132100010 | MIDI-fuse 100A/32V (package of 5 pcs) | 8 x 12 x 42 | |
| CIP132125010 | MIDI-fuse 125A/32V (package of 5 pcs) | 8 x 12 x 42 | |

| PRODUCT CODE | PRODUCT & MARK | DIMMENSIONS, mm | WEIGHT, kg |
|---|---|---|---|
| CIP132150010 |  | MIDI-fuse 150A/32V (package of 5 pcs) | 8 x 12 x 42 |
| CIP132200010 | | MIDI-fuse 200A/32V (package of 5 pcs) | 8 x 12 x 42 |
| CIP133030010 | | MIDI-fuse 30A/58V for 48V products (1 pc) | 8 x 12 x 42 |
| CIP133040010 | | MIDI-fuse 40A/58V for 48V products (1 pc) | 8 x 12 x 42 |
| CIP133050010 | | MIDI-fuse 50A/58V for 48V products (1 pc) | 8 x 12 x 42 |
| CIP133060010 | | MIDI-fuse 60A/58V for 48V products (1 pc) | 8 x 12 x 42 |
| CIP133080010 | | MIDI-fuse 80A/58V for 48V products (1 pc) | 8 x 12 x 42 |
| CIP133100010 | | MIDI-fuse 100A/58V for 48V products (1 pc) | 8 x 12 x 42 |
| CIP000050001 |  | Fuse holder for MIDI-fuse | 25 x 30 x 52 |

| PRODUCT CODE | PRODUCT & MARK | | DIMMENSIONS, mm | WEIGHT, kg |
|---|---|---|---|---|
| CIP136060010 |  | MEGA-fuse 60A/32V (package of 5 pcs) | 9 x 19 x 67 | |
| CIP136080010 | | MEGA-fuse 80A/32V (package of 5 pcs) | 9 x 19 x 67 | |
| CIP136100010 | | MEGA-fuse 100A/32V (package of 5 pcs) | 9 x 19 x 67 | |
| CIP136125010 | | MEGA-fuse 125A/32V (package of 5 pcs) | 9 x 19 x 67 | |
| CIP136150010 | | MEGA-fuse 150A/32V (package of 5 pcs) | 9 x 19 x 67 | |
| CIP136175010 | | MEGA-fuse 175A/32V (package of 5 pcs) | 9 x 19 x 67 | |
| CIP136200010 | | MEGA-fuse 200A/32V (package of 5 pcs) | 9 x 19 x 67 | |
| CIP136225010 | | MEGA-fuse 225A/32V (package of 5 pcs) | 9 x 19 x 67 | |
| CIP136250010 | | MEGA-fuse 250A/32V (package of 5 pcs) | 9 x 19 x 67 | |
| CIP136300010 | | MEGA-fuse 300A/32V (package of 5 pcs) | 9 x 19 x 67 | |

| PRODUCT CODE | PRODUCT & MARK | DIMMENSIONS, mm | WEIGHT, kg |
|---|---|---|---|
| CIP136400010 |  MEGA-fuse 400A/32V (package of 5 pcs) | 9 x 19 x 67 | |
| CIP136500010 | MEGA-fuse 500A/32V (package of 5 pcs) | 9 x 19 x 67 | |
| CIP137125010 | MEGA-fuse 125A/58V for 48V products (1 pc) | 9 x 19 x 67 | |
| CIP137200010 | MEGA-fuse 200A/58V for 48V products (1 pc) | 9 x 19 x 67 | |
| CIP137250010 | MEGA-fuse 250A/58V for 48V products (1 pc) | 9 x 19 x 67 | |
| CIP137300010 | MEGA-fuse 300A/58V for 48V products (1 pc) | 9 x 19 x 67 | |
| CIP000100001 |  Fuse holder for MEGA-fuse | 39 x 39 x 97 | |
| CIP050060000 |  Six-way fuse holder for Mega-fuse with busbar (250A) | 50 x 182 x 80 | |
| CIP100200100 | Modular fuse holder for Mega-fuse | 45 x 33 x 73 | |

| PRODUCT CODE | PRODUCT & MARK | | DIMMENSIONS, mm | WEIGHT, kg |
|---|---|---|---|---|
| CIP100400060 |  | Busbar to connect 5 CIP100200100 (500 A) | 5 x 40 x 180 | |
| CIP100400070 | | Busbar to connect 6 CIP100200100 (1500 A) | 5 x 40 x 240 | |
| CIP142300000 | | ANL-fuse 300A/80V for 48V products (1 pc) | 10 x 20 x 81 | |
| CIP142400000 | | ANL-fuse 400A/80V for 48V products (1 pc) | 10 x 20 x 81 | |
| CIP142500000 | | ANL-fuse 500A/80V for 48V products (1 pc) | 10 x 20 x 81 | |
| CIP106100000 | | Fuse holder for ANL-fuse | 44 x 25 x 87 | |
| CIP140325000 |  | Fuse CNN 325A/80V for Lynx shunt | 15 x 82 x 20 | |
| BPP900480100 |  | Ekrano GX | 124 x 187 x 33 | |

| PRODUCT CODE | PRODUCT & MARK | | DIMMENSIONS, mm | WEIGHT, kg |
|---|---|---|---|---|
| BPP900450100 | | Cerbo GX | 48 x 154 x 78 | |
| BPP900451100 | | Cerbo GX MK2 | 48 x 154 x 78 | |
| BPP900450120 | | Cerbo-S GX | 48 x 154 x 78 | |
| BPP900455050 |  | GX Touch 50 | 87 x 128 x 12,5 | |
| BPP900460050 | | GX Touch 50 adapter for CCGX cut-out | | |
| BPP900465050 | | GX Touch 50 Wall Mount | | |
| BPP900455070 | | GX Touch 70 | 113 x 176 x 13,5 | |
| BPP900465070 | | GX Touch 70 Wall Mount | | |
| BPP010300100R |  | Color Control GX | 130 x 120 x 40 | |

| PRODUCT CODE | PRODUCT & MARK | | DIMMENSIONS, mm | WEIGHT, kg |
|---|---|---|---|---|
| BPP900400100 | | Venus GX | 46 x 142 x 96 | |
| BPP900100200 |  | CCGX WiFi module simple | | |
| BPP900200400 | | CCGX WiFi module long range (Netgear AC1200) | | |
| ASS000001000 |  | Temperature sensor VENUS/PMP/Quattro | | |
| VPN000200000 |  | VE.Net GMDSS Panel | 65 x 120 x 40 | |
| BPP900600100 |  | VE.Can resistive tank sender adapter | 48 x 109 x 25 | |
| ASS030690000 | | VE.Can Power Cable for BPP900600100 | | |
| BPP920140100 | | GX Tank 140 | | |

| PRODUCT CODE | PRODUCT & MARK | | DIMMENSIONS, mm | WEIGHT, kg |
|---|---|---|---|---|
| REC020005010 |  | Digital Multi Control 200/200A | 65 x 120 x 40 | |
| DMC000200010R | | Digital Multi Control 200/200A GX (90° RJ45) | 65 x 120 x 40 | |
| REC030001210 |  | Phoenix Inverter Control | 65 x 60 x 40 | |
| REC010001110 | | Phoenix Charger Control | 65 x 120 x 40 | |
| REC040010210R |  | Phoenix Inverter Control VE.Direct | 65 x 60 x 40 | |
| REC000300010R |  | Skylla-i Control GX (90° RJ45) | 65 x 120 x 40 | |
| SDRPCSV | | Charger Switch | 65 x 60 x 40 | |

| PRODUCT CODE | PRODUCT & MARK | DIMMENSIONS, mm | WEIGHT, kg |
|---|---|---|---|
| SDRPSKC | Skylla Control | 65 x 120 x 40 | |
| BPA000100010R | Battery Alarm GX | 65 x 120 x 40 | |
| BPP900200400 | GX WiFi module long range (Netgear AC1200) | | |
| GSM100100400 | GX LTE 4G-E (EMEA/Korea/Thailand) | | |
| GSM100200400 | GX LTE 4G-A (North America) | | |
| GSM100300400 | GX LTE 4G-SA (Australia/New Zealand/South America) | | |
| GSM900100100 | Outdoor 2G and 3G GSM Antenna for GX GSM | | |
| GSM900100400 | Outdoor 4G GSM Antenna | | |
| GSM900200100 | Active GPS Antenna for GX GSM & GX LTE | | |
| ANT100200100 | Outdoor LTE-M wall mount antenna (with 5m cable) | | |

| PRODUCT CODE | PRODUCT & MARK | | DIMMENSIONS, mm | WEIGHT, kg |
|---|---|---|---|---|
| ANT100200200 | | Outdoor LTE-M puck antenna (with 3m cable) | | |
| ASS030543020 |  | GlobalLink 520 (incl. 5 year activated simcard) | 23 x 123 x 66 | |
| ASS050400000 | | Wall mount enclosure for Color Control GX | 165 x 135 x 65 | |
| ASS050500000 | | Wall mount enclosure for BMV or MPPT Control | 130 x 85 x 45 | |
| ASS050600000 | | Wall mount enclosure for Color Control GX and BMV or MPPT Control | 245 x 135 x 65 | |
| ASS050300010 |  | Wall mount enclosure for 65 x 120 mm GX-panels with 90 degr. | 80 x 150 x 50 | |

| PRODUCT CODE | PRODUCT & MARK | DIMMENSIONS, mm | WEIGHT, kg |
|---|---|---|---|
| ASS030538010 |  VE.Direct LoRaWAN EU863-870 module | | |
| ASS030540010 | VE.Direct LoRaWAN US902-928 module | | |
| ASS030542010 | VE.Direct LoRaWAN AU915-928 module | | |
| ASS060000100 |  USB extension cable 0,3m one side right angle | | |
| ASS030066003 |  RJ12 UTP Cable 0,3 m | | |
| ASS030066009 | RJ12 UTP Cable 0,9 m | | |
| ASS030066018 | RJ12 UTP Cable 1,8 m | | |
| ASS030066030 | RJ12 UTP Cable 3 m | | |
| ASS030066050 | RJ12 UTP Cable 5 m | | |

| PRODUCT CODE | PRODUCT & MARK | DIMMENSIONS, mm | WEIGHT, kg |
|---|---|---|---|
| ASS030066100 |  RJ12 UTP Cable 10 m | | |
| ASS030066150 | RJ12 UTP Cable 15 m | | |
| ASS030066300 | RJ12 UTP Cable 30 m | | |
| ASS030064900 | RJ45 UTP Cable 0,3 m | | |
| ASS030064920 | RJ45 UTP Cable 0,9 m | | |
| ASS030064950 | RJ45 UTP Cable 1,8 m | | |
| ASS030064980 | RJ45 UTP Cable 3 m | | |
| ASS030065000 | RJ45 UTP Cable 5 m | | |
| ASS030065010 | RJ45 UTP Cable 10 m | | |
| ASS030065020 | RJ45 UTP Cable 15 m | | |

| PRODUCT CODE | PRODUCT & MARK | DIMMENSIONS, mm | WEIGHT, kg |
|---|---|---|---|
| ASS030065030 |  RJ45 UTP Cable 20 m | | |
| ASS030065050 | RJ45 UTP Cable 30 m | | |
| ASS030530203 |  VE.Direct Cable 0,3m | | |
| ASS030530209 | VE.Direct Cable 0,9m | | |
| ASS030530218 | VE.Direct Cable 1,8m | | |
| ASS030530230 | VE.Direct Cable 3m | | |
| ASS030530250 | VE.Direct Cable 5m | | |
| ASS030530310 | VE.Direct Cable 10m | | |
| ASS030531203 | VE.Direct Cable 0,3m (one side Right Angle conn) | | |
| ASS030531209 | VE.Direct Cable 0,9m (one side Right Angle conn) | | |

| PRODUCT CODE | PRODUCT & MARK | DIMMENSIONS, mm | WEIGHT, kg |
|---|---|---|---|
| ASS030531218 |  VE.Direct Cable 1,8m (one side Right Angle conn) | | |
| ASS030531230 | VE.Direct Cable 3m (one side Right Angle conn) | | |
| ASS030531250 | VE.Direct Cable 5m (one side Right Angle conn) | | |
| ASS030531320 | VE.Direct Cable 10m (one side Right Angle conn) | | |
| ASS030560100 | Male to Female 3 pole 1 m (bag of 2) | | |
| ASS030560200 | Male to Female 3 pole 2 m (bag of 2) | | |
| ASS030560300 | Male to Female 3 pole 3 m (bag of 2) | | |
| ASS030560500 | Male to Female 3 pole 5 m (bag of 2) | | |
| ASS030530010 | VE.Direct to USB interface | | |
| ASS030530030 | VE.Direct to USB-C interface | | |

| PRODUCT CODE | PRODUCT & MARK | DIMMENSIONS, mm | WEIGHT, kg |
|---|---|---|---|
| ASS030130010 | | Interface MK2-USB (for Phoenix Charger only) | |
| ASS030140000 |  | Interface MK3-USB (VE.Bus to USB) | |
| ASS030140030 | | Interface MK3-USB-C (VE.Bus to USB-C) | |
| ASS030532010 | | CANUSB interface | |
| ASS030520200 | | VE.Can to NMEA2000 Micro-C male | |
| ASS030120210 |  | Interface MK2.2b (VE.Bus to RS232) | |
| ASS030200000 |  | RS232 to USB converter | |
| ASS030520500 | | VE.Direct to RS232 interface | |
| ASS030690000 | | VE.Can Power Cable | |

| PRODUCT CODE | PRODUCT & MARK | DIMMENSIONS, mm | WEIGHT, kg |
|---|---|---|---|
| ASS030710018 | | VE.Can to CAN-bus BMS type A Cable 1.8m | |
| ASS030710050 | | VE.Can to CAN-bus BMS type A Cable 5m | |
| ASS030720018 | | VE.Can to CAN-bus BMS type B Cable 1.8m | |
| ASS030720050 | | VE.Can to CAN-bus BMS type B Cable 5m | |
| ASS030700000 | | VE.Can RJ45 terminator (bag of 2) | |
| ASS030520115 | | VE.Bus to VE.Can interface | |
| ASS030550120 | | Inverting remote on-off cable | |
| ASS030550220 | | Non-inverting remote on-off cable | |
| ASS030550320 | | VE.Direct non inverting remote on-off cable | |
| ASS030510120 | | VE.Bus BMS to BMS 12-200 alternator control cable | |

| PRODUCT CODE | PRODUCT & MARK | DIMMENSIONS, mm | WEIGHT, kg |
|---|---|---|---|
| ASS030550400 | Skylla-i remote on-off cable | | |
| ASS030065510 | RJ45-splitter 1xRJ45 male/15cm cable/2xRJ45 female | | |
| CSE000100000 |  AC Current sensor | | |
| CTR110000500 | Current Transformer 100A:50mA for MultiPlus-II (1m) | | |
| CTR110000550 | Current Transformer 100A:50mA for MultiPlus-II (5m) | | |
| CTR110002050 | Current Transformer 100A:50mA for MultiPlus-II (20 m) | | |
| CTR120000500 | Current Transf. 100A:50mA for MultiPlus-II (1m) Wire-end | | |
| CTR120000550 | Current Transf. 100A:50mA for MultiPlus-II (5m) Wire-end | | |

| PRODUCT CODE | PRODUCT & MARK | DIMMENSIONS, mm | WEIGHT, kg |
|---|---|---|---|
| CTR120002050 | Current Transf. 100A:50mA for MultiPlus-II (20m) Wire-end | | |
| ASS000001000 | Temperature sensor QUA/PMP/Venus GX | | |
| ASS000020000 | Temperature sensor type C (for Inverter RS) | | |
| ASS000100000 | Temperature sensor for BMV-702/712 | | |
| ADA500100100 | DIN35 adapter small (per pair) | | |
| ADA500140100 | DIN35 adapter medium (per pair) | | |
| ADA500180100 | DIN35 adapter large (per pair) | | |
| ASS030536011 | VE.Direct Bluetooth Smart dongle | | |
| REL100100000 | Anti-islanding relay UFR1001E | | |

| PRODUCT CODE | PRODUCT & MARK | DIMMENSIONS, mm | WEIGHT, kg |
|---|---|---|---|
| ASS030537010 |  VE.Bus Smart dongle | | |
| REL300100000 |  Energy Meter ET112 - 1 phase - max 100A | | |
| REL300300000 | Energy Meter ET340 - 3 phase - max 65A/phase | | |
| REL200100000 | Energy Meter EM24 - 3 phase - max 65A/phase | | |
| REL200100100 | Energy Meter EM540 - 3 phase - max 65A/phase | | |
| REL200200100 | Energy Meter EM24 - 3 phase - max 65A/ph Ethernet | | |
| REL200300100 | Energy Meter VM-3P75CT | | |
| ASS030572050 | RS485 to USB interface cable 5 m | | |
| ASS030572018 | RS485 to USB interface cable 1,8 m | | |

| PRODUCT CODE | PRODUCT & MARK | | DIMMENSIONS, mm | WEIGHT, kg |
|---|---|---|---|---|
| ASS300420100 |  | Zigbee to RS485 converter | | |
| ASS300420200 | | Zigbee to USB converter | | |
| RCD000300200 | | Anti-islanding box 63A single and three phase | 230 x 380 x 100 | |
| BAM010700000 (R) |  | Battery Monitor BMV-700 | 65 x 65 x 30 | 0,3 |
| BAM010702000 (R) | | Battery Monitor BMV-702 | 65 x 65 x 30 | 0,3 |
| BAM010702200 (R) | | Battery Monitor BMV-702 BLACK | 65 x 65 x 30 | 0,3 |
| BAM030712000 (R) | | Battery Monitor BMV-712 Smart | 65 x 65 x 30 | 0,3 |
| BAM030712200 (R) | | Battery Monitor BMV-712 BLACK Smart | 65 x 65 x 30 | 0,3 |
| BAM010700100 | | Battery Monitor BMV-700H (70 - 350 VDC) | | |
| BAM030710100 | | Battery Monitor BMV-710H Smart (70 - 350 VDC) | | |

| PRODUCT CODE | PRODUCT & MARK | DIMMENSIONS, mm | WEIGHT, kg |
|---|---|---|---|
| ASS000100000 |  Temperature sensor for BMV-702/712 | | |
| SHU050150050 |  Smartshunt 500A/50mV | 46 x 120 x 54 | |
| SHU050210050 | Smartshunt 1000A/50mV | 68 x 120 x 54 | |
| SHU050220050 | Smartshunt 2000A/50mV | 68 x 120 x 76 | |
| SHU065150050 | Smartshunt 500A/50mV IP65 | 46 x 120 x 54 | |
| SHU065210050 | Smartshunt 1000A/50mV IP65 | 68 x 120 x 54 | |
| SHU065220050 | Smartshunt 2000A/50mV IP65 | 68 x 120 x 76 | |
| SHU500050100 | Shunt 500A/50mV | 45 x 28 x 120 | |
| SHU602050200 |  Shunt 6000A/50mV | 135 x 60 x 168 | |

| PRODUCT CODE | PRODUCT & MARK | | DIMMENSIONS, mm | WEIGHT, kg |
|---|---|---|---|---|
| SHU102050200 |  | Shunt 1000A/50mV | 80 x 30 x 168 | |
| SHU202050200 | | Shunt 2000A/50mV | 80 x 50 x 168 | |
| ARG080202000 (R) |  | Argodiode 80-2SC 2 batteries 80A | 60 x 120 x 75 | 0,5 |
| ARG080201000 (R) | | Argodiode 80-2AC 2 batteries 80A | 60 x 120 x 90 | 0,6 |
| ARG100301000R | | Argodiode 100-3AC 3 batteries 100A | 60 x 120 x 115 | 0,8 |
| ARG120201020R | | Argodiode 120-2AC 2 batteries 120A | 60 x 120 x 115 | 0,8 |
| ARG140301020R | | Argodiode 140-3AC 3 batteries 140A | 60 x 120 x 150 | 1,1 |
| ARG160201020 | | Argodiode 160-2AC 2 batteries 160A | 60 x 120 x 150 | 1,1 |
| ARG180301020 | | Argodiode 180-3AC 3 batteries 180A | 60 x 120 x 200 | 1,5 |
| ARG100201020 (R) | | Argofet 100-2 Two batteries 100A | 65 x 120 x 200 | 1,4 |

| PRODUCT CODE | PRODUCT & MARK | | DIMMENSIONS, mm | WEIGHT, kg |
|---|---|---|---|---|
| ARG100301020 (R) | | Argofet 100-3 Three batteries 100A | 65 x 120 x 200 | 1,4 |
| ARG200201020 (R) | | Argofet 200-2 Two batteries 200A | 65 x 120 x 200 | 1,4 |
| ARG200301020 (R) | | Argofet 200-3 Three batteries 200A | 65 x 120 x 200 | 1,4 |
| CYR010120011 (R) |  | Cyrix-ct 12/24V-120A intelligent combiner | 46 x 46 x 80 | 0,11 |
| CYR010120110R | | Cyrix-ct 12/24V-120A Battery combiner kit | 46 x 46 x 80 | 0,11 |
| CYR010230010 (R) |  | Cyrix-ct 12/24V-230A intelligent combiner | 65 x 100 x 50 | 0,27 |
| CYR010400000 |  | Cyrix-i 12/24V-400A intelligent combiner | 78 x 102 x 110 | 0,9 |
| CYR020400000 | | Cyrix-i 24/48V-400A intelligent combiner | 78 x 102 x 110 | 0,9 |

| PRODUCT CODE | PRODUCT & MARK | | DIMMENSIONS, mm | WEIGHT, kg |
|---|---|---|---|---|
| BCD000402000 | | BCD 402 2 batteries 40A | 60 x 120 x 75 | 0,6 |
| BCD000802000 | | BCD 802 2 batteries 80A | 60 x 120 x 75 | 0,8 |
| BBA000100100 |  | Battery balancer | 100 x 113 x 47 | 0,6 |
| BPR000065400 |  | BatteryProtect 12/24V 65A | 40 x 48 x 106 | 0,2 |
| BPR000100400 |  | BatteryProtect 12/24V-100A | 59 x 42 x 115 | 0,6 |
| BPR048100400 | | BatteryProtect 48V-100A | 62 x 123 x 120 | 0,8 |
| BPR000220400 |  | BatteryProtect 12/24V-220A | 62 x 123 x 120 | 0,8 |

| PRODUCT CODE | PRODUCT & MARK | | DIMMENSIONS, mm | WEIGHT, kg |
|---|---|---|---|---|
| BPR065022000 | | Smart BatteryProtect 12/24V 65A | 40 x 48 x 106 | 0,2 |
| BPR110022000 | | Smart BatteryProtect 12/24V-100A | 59 x 42 x 115 | 0,6 |
| BPR122022000 | | Smart BatteryProtect 12/24V-220A | 62 x 123 x 120 | 0,8 |
| BPR110048000 | | Smart BatteryProtect 48V-100A | 62 x 123 x 120 | 0,8 |
| SCC145110410 |  | SmartSolar MPPT RS 450/100-Tr | 440 x 313 x 126 | 8 |
| SCC145120410 | | SmartSolar MPPT RS 450/200-Tr | 487 x 434 x 146 | 14 |
| SCC010005000 |  | BlueSolar PWM-Light 12/24V-5A | 70 x 133 x 34 | 0,15 |
| SCC010010000 | | BlueSolar PWM-Light 12/24V-10A | 70 x 133 x 34 | 0,15 |
| SCC010020020 | | BlueSolar PWM-Light 12/24V-20A | 70 x 133 x 34 | 0,15 |

| PRODUCT CODE | PRODUCT & MARK | DIMMENSIONS, mm | WEIGHT, kg |
|---|---|---|---|
| SCC010030020 |  BlueSolar PWM-Light 12/24V-30A | 70 x 133 x 34 | 0,15 |
| SCC040010020 | BlueSolar PWM-Light 48V-10A | 95 x 140 x 34 | 0,15 |
| SCC040020020 | BlueSolar PWM-Light 48V-20A | 95 x 140 x 34 | 0,15 |
| SCC040030020 | BlueSolar PWM-Light 48V-30A | 95 x 140 x 34 | 0,15 |
| SCC010005050 |  BlueSolar PWM-LCD&USB 12/24V-5A | 96 x 169 x 36 | 0,15 |
| SCC010010050 | BlueSolar PWM-LCD&USB 12/24V-10A | 96 x 169 x 36 | 0,15 |
| SCC010020050 | BlueSolar PWM-LCD&USB 12/24V-20A | 96 x 169 x 36 | 0,15 |
| SCC010020060 | BlueSolar PWM DUO-LCD&USB 12/24V-20A | 102 x 184 x 48 | 0,15 |
| SCC010030050 | BlueSolar PWM-LCD&USB 12/24V-30A | 102 x 184 x 48 | 0,15 |
| SCC040010050 | BlueSolar PWM-LCD&USB 48V-10A | 102 x 184 x 48 | 0,15 |

| PRODUCT CODE | PRODUCT & MARK | DIMMENSIONS, mm | WEIGHT, kg |
|---|---|---|---|
| SCC040020050 |  BlueSolar PWM-LCD&USB 48V-20A | 102 x 184 x 48 | 0,15 |
| SCC040030050 | BlueSolar PWM-LCD&USB 48V-30A | 102 x 184 x 48 | 0,15 |
| SCC010005010 |  BlueSolar PWM-Pro 12/24V-5A | 70 x 138 x 37 | 0,15 |
| SCC010010010 | BlueSolar PWM-Pro 12/24V-10A | 70 x 138 x 37 | 0,15 |
| SCC010020110 | BlueSolar PWM-Pro 12/24V-20A | 82 x 160 x 48 | 0,3 |
| SCC010030010 | BlueSolar PWM-Pro 12/24V-30A | 100 x 200 x 57 | 0,5 |
| SCC010015200R | BlueSolar MPPT 100/15 | 100 x 113 x 47 | 0,6 |
| SCC110020170R | BlueSolar MPPT 100/20 (up tp 48V) | 100 x 113 x 50 | 0,7 |
| SCC020030200 | BlueSolar MPPT 100/30 | 130 x 186 x 70 | 1,3 |
| SCC020050200 | BlueSolar MPPT 100/50 | 130 x 186 x 70 | 1,3 |

| PRODUCT CODE | PRODUCT & MARK | | DIMMENSIONS, mm | WEIGHT, kg |
|---|---|---|---|---|
| SCC115045222 | | BlueSolar MPPT 150/45 | 130 x 186 x 70 | 1,3 |
| SCC020035000 | | BlueSolar MPPT 150/35 | 130 x 186 x 70 | 1,3 |
| SCC010010050R |  | BlueSolar MPPT 75/10 | 100 x 113 x 40 | 0,4 |
| SCC010015050R | | BlueSolar MPPT 75/15 | 100 x 113 x 40 | 0,5 |
| SCC900300000 | | Remote panel for BlueSolar PWM-Pro | 49 x 113 x 113 | 0,21 |
| SCC940100100 | | Temperature sensor for BlueSolar PWM-Pro | | |
| SCC940100200 | | BlueSolar PWM-Pro to USB interface cable | | |
| SCC115110420 | | BlueSolar MPPT 150/100-Tr VE.Can | 216 x 295 x 103 | 4,5 |
| SCC125070441 | | BlueSolar MPPT 250/70-Tr VE.Can | 200 x 250 x 95 | 3 |
| SCC125110441 | | BlueSolar MPPT 250/100-Tr VE.Can | 216 x 295 x 103 | 4,5 |

| PRODUCT CODE | PRODUCT & MARK | DIMMENSIONS, mm | WEIGHT, kg |
|---|---|---|---|
| SCC075010060R | SmartSolar MPPT 75/10 | 100 x 113 x 40 | 0,4 |
| SCC075015060R | SmartSolar MPPT 75/15 | 100 x 113 x 40 | 0,5 |
| SCC110015060R | SmartSolar MPPT 100/15 | 100 x 113 x 47 | 0,5 |
| SCC110020160R | SmartSolar MPPT 100/20 (up to 48V) | 100 x 113 x 50 | 0,7 |
| SCC110030210 | SmartSolar MPPT 100/30 | 130 x 186 x 70 | 1,3 |
| SCC110050210 | SmartSolar MPPT 100/50 | 130 x 186 x 70 | 1,3 |
| SCC115035210 | SmartSolar MPPT 150/35 | 130 x 186 x 70 | 1,3 |
| SCC115045212 | SmartSolar MPPT 150/45 | 130 x 186 x 70 | 1,3 |
| SCC115060211 | SmartSolar MPPT 150/60-Tr | 200 x 250 x 95 | 3 |
| SCC115060311 | SmartSolar MPPT 150/60-MC4 | 200 x 250 x 95 | 3 |

| PRODUCT CODE | PRODUCT & MARK | DIMMENSIONS, mm | WEIGHT, kg |
|---|---|---|---|
| SCC115070211 | SmartSolar MPPT 150/70-Tr | 200 x 250 x 95 | 3 |
| SCC115070411 | SmartSolar MPPT 150/70-Tr VE.Can | 200 x 250 x 95 | 3 |
| SCC115070511 | SmartSolar MPPT 150/70-MC4 VE.CAN | 200 x 250 x 95 | 3 |
| SCC115085411 | SmartSolar MPPT 150/85-Tr VE.Can | 216 x 295 x 103 | 4,5 |
| SCC115085511 | SmartSolar MPPT 150/85-MC4 VE.Can | 216 x 295 x 103 | 4,5 |
| SCC125060221 | SmartSolar MPPT 250/60-Tr | 200 x 250 x 95 | 3 |
| SCC125060321 | SmartSolar MPPT 250/60-MC4 | 200 x 250 x 95 | 3 |
| SCC125070221 | SmartSolar MPPT 250/70-Tr | 200 x 250 x 95 | 3 |
| SCC125070421 | SmartSolar MPPT 250/70-Tr VE.Can | 200 x 250 x 95 | 3 |
| SCC125070521 | SmartSolar MPPT 250/70-MC4 VE.Can | 200 x 250 x 95 | 3 |

| PRODUCT CODE | PRODUCT & MARK | | DIMMENSIONS, mm | WEIGHT, kg |
|---|---|---|---|---|
| SCC125085411 | | SmartSolar MPPT 250/85-Tr VE.Can | 216 x 295 x 103 | 4,5 |
| SCC125085511 | | SmartSolar MPPT 250/85-MC4 VE.Can | 216 x 295 x 103 | 4,5 |
| SCC010060200 |  | BlueSolar MPPT 150/60-Tr | 200 x 250 x 95 | 3 |
| SCC010060300 | | BlueSolar MPPT 150/60-MC4 | 200 x 250 x 95 | 3 |
| SCC010070200 | | BlueSolar MPPT 150/70-Tr | 200 x 250 x 95 | 3 |
| SCC010070300 | | BlueSolar MPPT 150/70-MC4 | 200 x 250 x 95 | 3 |
| SCC115110411 |  | SmartSolar MPPT 150/100-Tr VE.Can | 216 x 295 x 103 | 4,5 |
| SCC115110511 | | SmartSolar MPPT 150/100-MC4 VE.Can | 216 x 295 x 103 | 4,5 |
| SCC125110412 | | SmartSolar MPPT 250/100-Tr VE.Can | 216 x 295 x 103 | 4,5 |
| SCC125110512 | | SmartSolar MPPT 250/100-MC4 VE.Can | 216 x 295 x 103 | 4,5 |

| PRODUCT CODE | PRODUCT & MARK | | DIMMENSIONS, mm | WEIGHT, kg |
|---|---|---|---|---|
| ASS030550120 | | Inverting remote on-off cable | | |
| ASS030550500 | | VE.Direct TX digital output cable (PWM light dimming cable) | | |
| ASS030550320 | | VE.Direct non inverting remote on-off cable | | |
| SCC900650010 | | SmartSolar Pluggable Display | | |
| SCC900500000 |  | MPPT Control (VE.Direct cable not included) | 65 x 65 x 30 | 0,3 |
| SBS050150200 |  | Smart Battery Sense long range (up to 10m) | | |
| SHS121409230 |  | SHS 200 MPPT v3.0 MC4 | 148 x 204 x 67 | 0,39 |
| SHS900120050 | | Solar cable for SHS 200 5mtr | | |
| SHS800300300 | | Battery Box for SHS 200 | 268 x 207 x 364 | |

| PRODUCT CODE | PRODUCT & MARK | DIMMENSIONS, mm | WEIGHT, kg |
|---|---|---|---|
| SCC950100000 |  | MPPT WireBox-S 75-10/15<br>(for 75-10 & 75/15) | |
| SCC950120000 | | MPPT WireBox-S 100-15<br>(for 100/15) | |
| SCC950140000 | | MPPT WireBox-S 100-20<br>(for 100/20) | |
| SCC950200000 | | MPPT WireBox-M<br>(for models with h=130mm) | |
| SCC950300210 | | MPPT WireBox-L Tr<br>(for Tr models, h=200mm) | |
| SCC950300310 | | MPPT WireBox-L MC4<br>(for MC4 models, h=200mm) | |
| SCC950300310 | | MPPT WireBox-L MC4<br>(for MC4 & MC4 VE.Can, h=200mm) | |
| SCC950400210 | | MPPT WireBox-XL Tr<br>(for Tr & Tr VE.can, h=216mm) | |
| SCC950400310 | | MPPT WireBox-XL MC4<br>(for MC4 models, h=216mm) | |
| SCC950400310 | | MPPT WireBox-XL MC4<br>(for MC4 & MC4 VE.Can,<br>h=216mm) | |

| PRODUCT CODE | PRODUCT & MARK | | DIMMENSIONS, mm | WEIGHT, kg |
|---|---|---|---|---|
| BAT406225084 | | 6V/240Ah AGM Deep Cycle Batt. | 320 x 176 x 247 | 31 |
| BAT212070084 | | 12V/8Ah AGM Deep Cycle Batt. | 151 x 65 x 101 | 2,3 |
| BAT212120086 | | 12V/14Ah AGM Deep Cycle Batt. | 151 x 98 x 101 | 4,4 |
| BAT212200084 | | 12V/22Ah AGM Deep Cycle Batt. | 181 x 77 x 167 | 5,8 |
| BAT412350084 | | 12V/38Ah AGM Deep Cycle Batt. | 197 x 165 x 170 | 15 |
| BAT412550084 | | 12V/60Ah AGM Deep Cycle Batt. | 229 x 138 x 227 | 18 |
| BAT412800084 |  | 12V/90Ah AGM Deep Cycle Batt. | 350 x 167 x 183 | 27 |
| BAT412101084 | | 12V/110Ah AGM Deep Cycle Batt. | 330 x 171 x 220 | 32 |
| BAT412121084 | | 12V/130Ah AGM Deep Cycle Batt. | 410 x 176 x 227 | 38 |

| PRODUCT CODE | PRODUCT & MARK | | DIMMENSIONS, mm | WEIGHT, kg |
|---|---|---|---|---|
| BAT412151084 | | 12V/165Ah AGM Deep Cycle Batt. | 485 x 172 x 240 | 47 |
| BAT412201084 | | 12V/220Ah AGM Deep Cycle Batt. | 522 x 238 x 240 | 65 |
| BAT412800085 |  | 12V/90Ah AGM Deep Cycle Batt. (M6) | 350 x 167 x 183 | 27 |
| BAT412101085 | | 12V/110Ah AGM Deep Cycle Batt. (M8) | 330 x 171 x 220 | 32 |
| BAT412151085 | | 12V/165Ah AGM Deep Cycle Batt. (M8) | 485 x 172 x 240 | 47 |
| BAT412201085 | | 12V/220Ah AGM Deep Cycle Batt. (M8) | 522 x 238 x 240 | 65 |
| BAT412124081 | | 12V/240Ah AGM Deep Cycle Batt. (M8) | 522 x 240 x 224 | 67 |
| BAT412015080 |  | 12V/15Ah AGM Super Cycle Batt. (Faston 6.3x0.8mm) | 151 x 99 x 103 | 4,1 |
| BAT412025081 | | 12V/25Ah AGM Super Cycle Batt. (M5) | 181 x 77 x 175 | 6,5 |

| PRODUCT CODE | PRODUCT & MARK | | DIMMENSIONS, mm | WEIGHT, kg |
|---|---|---|---|---|
| BAT412038081 |  | 12V/38Ah AGM Super Cycle Batt. (M5) | 267 x 77 x 175 | 9,5 |
| BAT412060081 | | 12V/60Ah AGM Super Cycle Batt. (M5) | 224 x 135 x 178 | 14 |
| BAT412110081 | | 12V/100Ah AGM Super Cycle Batt. (M6) | 260 x 168 x 215 | 26 |
| BAT412112081 | | 12V/125Ah AGM Super Cycle Batt. (M8) | 330 x 171 x 214 | 33 |
| BAT412117081 | | 12V/170Ah AGM Super Cycle Batt. (M8) | 339 x 172 x 281 | 45 |
| BAT412123081 | | 12V/230Ah AGM Super Cycle Batt. (M8) | 532 x 207 x 226 | 57 |
| BAT412105164 |  | 12V/115Ah AGM Telecom Batt. (M8) | 395 x 110 x 293 | 35 |
| BAT412151164 | | 12V/165Ah AGM Telecom Batt. (M8) | 548 x 105 x 316 | 49 |
| BAT412181164 | | 12V/200Ah AGM Telecom Batt. (M8) | 546 x 125 x 323 | 59 |
| BAT412550104 | | 12V/60Ah Gel Deep Cycle Batt. | 229 x 138 x 227 | 19 |

| PRODUCT CODE | PRODUCT & MARK | | DIMMENSIONS, mm | WEIGHT, kg |
|---|---|---|---|---|
| BAT412800104 |  | 12V/90Ah Gel Deep Cycle Batt. | 350 x 167 x 183 | 26 |
| BAT412101104 | | 12V/110Ah Gel Deep Cycle Batt. | 330 x 171 x 220 | 33 |
| BAT412121104 |  | 12V/130Ah Gel Deep Cycle Batt. | 410 x 176 x 227 | 38 |
| BAT412151104 | | 12V/165Ah Gel Deep Cycle Batt. | 485 x 172 x 240 | 48 |
| BAT412201104 | | 12V/220Ah Gel Deep Cycle Batt. | 522 x 238 x 240 | 66 |
| BAT412126101 | | 12V/265Ah Gel Deep Cycle Batt. (M8) | 520 x 268 x 223 | 75 |
| BAT612110081 | | Lead Carbon Battery 12V/106Ah (M8) | 410 x 180 x 210 | 36 |
| BAT612116081 | | Lead Carbon Battery 12V/160Ah (M8) | 532 x 207 x 226 | 55 |

* without connection cable and MC4 connector

| PRODUCT CODE | PRODUCT & MARK | DIMMENSIONS, mm | WEIGHT, kg |
|---|---|---|---|
| SPM040201200 |  | 20W-12V Mono 440×350×25mm series 4a* (min 5pcs) | 1,9 |
| SPM040301200 | | 30W-12V Mono 560×350×25mm series 4a* (min 5pcs) | 2,2 |
| SPM040401200 | | 40W-12V Mono 425×668×25mm series 4a* (min 5pcs) | 3,1 |
| SPM040551200 | | 55W-12V Mono 545×668×25mm series 4a* (min 5pcs) | 4,0 |
| SPM040901200 | | 90W-12V Mono 780×668×30mm series 4a (min 4pcs) | 6,1 |
| SPM041151202 | | 115W-12V Mono 1015x668×30mm series 4a (min 4pcs) | 8,0 |
| SPM041401200 | | 140W-12V Mono 1250x668x30mm series 4a (min 4pcs) | 9,0 |
| SPM041751200 | | 175W-12V Mono 1485x668×30mm series 4a (min 4pcs) | 11,0 |
| SPM042152400 | | 215W-24V Mono 1580×808×35mm series 4a (min 4pcs) | 15,0 |

* without connection cable and MC4 connector

| PRODUCT CODE | PRODUCT & MARK | DIMMENSIONS, mm | WEIGHT, kg |
|---|---|---|---|
| SPM043052002 |  | 305W-20V Mono 1658x1002x35mm series 4b (min 4pcs) | 18,4 |
| SPM043602402 | | 360W-24V Mono 1980x1002x40mm series 4b (min 4pcs) | 22,5 |
| SPP040201200 |  | 20W-12V Poly 440×350×25mm series 4a* (min 5pcs) | 1,9 |
| SPP040301200 | | 30W-12V Poly 665×350×25mm series 4a* (min 5pcs) | 2,8 |
| SPP040451200 | | 45W-12V Poly 425x668×25mm series 4a* (min 5pcs) | 3,1 |
| SPP040601200 | | 60W-12V Poly 545×668×25mm series 4a* (min 5pcs) | 4,0 |
| SPP040901200 | | 90W-12V Poly 780×668×30mm series 4a (min 4pcs) | 6,1 |
| SPP041151202 | | 115W-12V Poly 1030x668x30mm series 4b (min 4pcs) | 8,0 |
| SPP041751200 | | 175W-12V Poly 1485x668×30mm series 4a (min 4pcs) | 12,0 |

| PRODUCT CODE | PRODUCT & MARK | DIMMENSIONS, mm | WEIGHT, kg |
|---|---|---|---|
| SPP042702000 |  | 270W-20V Poly 1640x992x35mm series 4a (min 4pcs) | 18,4 |
| SPP043302402 | | 330W-24V Poly 1980x1002x40mm series 4b (min 4pcs) | 22,5 |
| SCA000100000 |  | Length 1 m | |
| SCA000300000 | | Length 3 m | |
| SCA000500000 | | Length 5 m | |
| SCA000100100 | | Length 1 m | |
| SCA000300100 | | Length 3 m | |
| SCA000500100 | | Length 5 m | |
| SCA001000100 | | Length 10 m | |
| SCA002000100 | | Length 20 m | |

| PRODUCT CODE | PRODUCT & MARK | | DIMMENSIONS, mm | WEIGHT, kg |
|---|---|---|---|---|
| SCA500100000 | | Solar adapter cable MC4 male to MC3 female, length 15 cm | | |
| SCA500200000 | | Solar adapter cable MC4 female to MC3 male, length 15 cm | | |
| SCA520500000 |  | Solar splitter pair MC4-Y, 1x M-2F / 1x F-2M | | |
| SCA520300000 |  | Solar connector pair MC4, 1x Male / 1x Female | | |
| BAT512050610 |  | LiFePO4 battery 12,8V/50Ah - Smart | 199 x 187 x 147 | 7 |
| BAT512110610 | | LiFePO4 battery 12,8V/100Ah - Smart | 197 x 321 x 152 | 14 |
| BAT512116610 | | LiFePO4 battery 12,8V/160Ah - Smart | 237 x 321 x 152 | 18 |
| BAT512118610 | | LiFePO4 battery 12,8V/180Ah - Smart | 237 x 321 x 152 | 18 |

| PRODUCT CODE | PRODUCT & MARK | | DIMMENSIONS, mm | WEIGHT, kg |
|---|---|---|---|---|
| BAT512120610 |  | LiFePO4 Battery 12,8V/200Ah - Smart | 237 x 321 x 152 | 20 |
| BAT512132410 | | LiFePO4 Battery 12,8V/330Ah - Smart | 265 x 359 x 206 | 30 |
| BAT524110610 | | LiFePO4 Battery 25,6V/100Ah - Smart | 197 x 650 x 163 | 28 |
| BAT524120610 | | LiFePO4 Battery 25,6V/200Ah - Smart-a | 237 x 650 x 163 | 39 |
| BMS300200000 |  | VE.Bus BMS | 30 x 105 x 72 | 0,09 |
| BMS300200200 |  | VE.Bus BMS V2 | 24 x 95 x 106 | 0,12 |
| BMS400100000 |  | smallBMS | 43 x 106 x 23 | |
| ASS030510120 | | VE.Bus BMS to BMS 12-200 alternator control cable | | |

| PRODUCT CODE | PRODUCT & MARK | | DIMMENSIONS, mm | WEIGHT, kg |
|---|---|---|---|---|
| CYR010120450 | | Cyrix-Li-load 12/24V-120A | 46 x 46 x 80 | 0,1 |
| CYR020120450 | | Cyrix-Li-load 24/48V-120A | 46 x 46 x 80 | 0,1 |
| CYR010120430 | | Cyrix-Li-Charge 12/24V-120A | 46 x 46 x 80 | 0,1 |
| CYR020120430 | | Cyrix-Li-Charge 24/48V-120A | 46 x 46 x 80 | 0,1 |
| CYR010120412 | | Cyrix-Li-ct 12/24V-120A combiner | 46 x 46 x 80 | 0,1 |
| CYR010230450 | | Cyrix-Li-load 12/24V-230A | 65 x 100 x 50 | 0,27 |
| CYR020230450 | | Cyrix-Li-load 24/48V-230A | 65 x 100 x 50 | 0,27 |
| CYR010230430 | | Cyrix-Li-Charge 12/24V-230A | 65 x 100 x 50 | 0,27 |
| CYR020230430 | | Cyrix-Li-Charge 24/48V-230A | 65 x 100 x 50 | 0,27 |
| CYR010230412 | | Cyrix-Li-ct 12/24V-230A combiner | 65 x 100 x 50 | 0,27 |

| PRODUCT CODE | PRODUCT & MARK | | DIMMENSIONS, mm | WEIGHT, kg |
|---|---|---|---|---|
| BMS210055000 |  | Smart BMS 12/200 | 65 x 120 x 340 | 1,8 |
| BMS110022000 | | Smart BMS CL 12/100 | 65 x 120 x 224 | 1,6 |
| PPP012020000 |  | Victron Peak Power Pack 12,8V/20Ah 256Wh | 132 x 190 x 172 | 3,8 |
| PPP012030000 | | Victron Peak Power Pack 12,8V/30Ah 384Wh | 172 x 190 x 172 | 5,4 |
| PPP012040000 | | Victron Peak Power Pack 12,8V/40Ah 512Wh | 212 x 190 x 172 | 8,6 |
| BAT512020705 |  | Lithium SuperPack 12,8V/20Ah (M5) | 167 x 181 x 77 | 3,5 |
| BAT512060705 | | Lithium SuperPack 12,8V/60Ah (M6) | 213 x 229 x 138 | 9,5 |
| BAT512110710 | | Lithium SuperPack 12,8V/100Ah High current (M8) | 220 x 330 x 172 | 15 |
| BAT512120705 | | Lithium SuperPack 12,8V/200Ah (M8) | 208 x 520 x 269 | 21 |
| BAT524050705 | | Lithium SuperPack 25,6V/50Ah (M8) | 220 x 330 x 172 | 14 |

| PRODUCT CODE | PRODUCT & MARK | | DIMMENSIONS, mm | WEIGHT, kg |
|---|---|---|---|---|
| ASS070200100 | | Cable for Smart BMS CL 12/100 | | |
| PIN121251100 |  | Phoenix 12/250 VE.Direct IEC | 86 x 165 x 260 | 2,4 |
| PIN121251300 | | Phoenix 12/250 VE.Direct AU/NZ (AS/NZS 3112) | 86 x 165 x 260 | 2,4 |
| PIN121251400 | | Phoenix 12/250 VE.Direct UK (BS 1363) | 86 x 165 x 260 | 2,4 |
| PIN121371100 | | Phoenix 12/375 VE.Direct IEC | 86 x 165 x 260 | 2,4 |
| PIN121371300 | | Phoenix 12/375 VE.Direct AU/NZ (AS/NZS 3112) | 86 x 165 x 260 | 2,4 |
| PIN121371400 | | Phoenix 12/375 VE.Direct UK (BS 1363) | 86 x 165 x 260 | 2,4 |
| PIN121501100 | | Phoenix 12/500 VE.Direct IEC | 86 x 165 x 260 | 2,4 |
| PIN121501300 | | Phoenix 12/500 VE.Direct AU/NZ (AS/NZS 3112) | 86 x 165 x 260 | 2,4 |
| PIN121501400 | | Phoenix 12/500 VE.Direct UK (BS 1363) | 86 x 165 x 260 | 2,4 |

| PRODUCT CODE | PRODUCT & MARK | | DIMMENSIONS, mm | WEIGHT, kg |
|---|---|---|---|---|
| PIN121801100 |  | Phoenix 12/800 VE.Direct IEC | 105 x 216 x 305 | 5,5 |
| PIN121801300 | | Phoenix 12/800 VE.Direct AU/NZ (AS/NZS 3112) | 105 x 216 x 305 | 5,5 |
| PIN121801400 | | Phoenix 12/800 VE.Direct UK (BS 1363) | 105 x 216 x 305 | 5,5 |
| PIN122121100 | | Phoenix 12/1200 VE.Direct IEC | 117 x 232 x 362 | 8,5 |
| PIN122121300 | | Phoenix 12/1200 VE.Direct AU/NZ (AS/NZS 3112) | 117 x 232 x 362 | 8,5 |
| PIN122121400 | | Phoenix 12/1200 VE.Direct UK (BS 1363) | 117 x 232 x 362 | 8,5 |
| PIN241251100 | | Phoenix 24/250 VE.Direct IEC | 86 x 165 x 260 | 2,4 |
| PIN241251300 | | Phoenix 24/250 VE.Direct AU/NZ (AS/NZS 3112) | 86 x 165 x 260 | 2,4 |
| PIN241251400 | | Phoenix 24/250 VE.Direct UK (BS 1363) | 86 x 165 x 260 | 2,4 |
| PIN241371100 | | Phoenix 24/375 VE.Direct IEC | 86 x 165 x 260 | 3,0 |

| PRODUCT CODE | PRODUCT & MARK | DIMMENSIONS, mm | WEIGHT, kg |
|---|---|---|---|
| PIN241371300 |  Phoenix 24/375 VE.Direct AU/NZ (AS/NZS 3112) | 86 x 165 x 260 | 3,0 |
| PIN241371400 | Phoenix 24/375 VE.Direct UK (BS 1363) | 86 x 165 x 260 | 3,0 |
| PIN241501100 | Phoenix 24/500 VE.Direct IEC | 86 x 165 x 260 | 3,9 |
| PIN241501300 | Phoenix 24/500 VE.Direct AU/NZ (AS/NZS 3112) | 86 x 165 x 260 | 3,9 |
| PIN241501400 | Phoenix 24/500 VE.Direct UK (BS 1363) | 86 x 165 x 260 | 3,9 |
| PIN241801100 | Phoenix 24/800 VE.Direct IEC | 105 x 216 x 305 | 5,5 |
| PIN241801300 | Phoenix 24/800 VE.Direct AU/NZ (AS/NZS 3112) | 105 x 216 x 305 | 5,5 |
| PIN241800400 | Phoenix 24/800 VE.Direct UK (BS 1363) | 105 x 216 x 305 | 5,5 |
| PIN242121100 | Phoenix 24/1200 VE.Direct IEC | 117 x 232 x 327 | 7,4 |
| PIN242121300 | Phoenix 24/1200 VE.Direct AU/NZ (AS/NZS 3112) | 117 x 232 x 327 | 7,4 |

| PRODUCT CODE | PRODUCT & MARK | | DIMMENSIONS, mm | WEIGHT, kg |
|---|---|---|---|---|
| PIN242121400 |  | Phoenix 24/1200 VE.Direct UK (BS 1363) | 117 x 232 x 327 | 7,4 |
| PIN481251100 | | Phoenix 48/250 VE.Direct IEC | 86 x 165 x 260 | 2,4 |
| PIN481251300 | | Phoenix 48/250 VE.Direct AU/NZ (AS/NZS 3112) | 86 x 165 x 260 | 2,4 |
| PIN482510400 | | Phoenix 48/250 VE.Direct UK (BS 1363) | 86 x 165 x 260 | 2,4 |
| PIN481371100 | | Phoenix 48/375 VE.Direct IEC | 86 x 165 x 260 | 3,0 |
| PIN481371300 | | Phoenix 48/375 VE.Direct AU/NZ (AS/NZS 3112) | 86 x 165 x 260 | 3,0 |
| PIN481371400 | | Phoenix 48/375 VE.Direct UK (BS 1363) | 86 x 165 x 260 | 3,0 |
| PIN485010100 | | Phoenix 48/500 VE.Direct IEC | 86 x 172 x 275 | 3,9 |
| PIN481501300 | | Phoenix 48/500 VE.Direct AU/NZ (AS/NZS 3112) | 86 x 172 x 275 | 3,9 |
| PIN485010400 | | Phoenix 48/500 VE.Direct UK (BS 1363) | 86 x 172 x 275 | 3,9 |

| PRODUCT CODE | PRODUCT & MARK | | DIMMENSIONS, mm | WEIGHT, kg |
|---|---|---|---|---|
| PIN481801100 |  | Phoenix 48/800 VE.Direct IEC | 105 x 216 x 305 | 5,5 |
| PIN481801300 | | Phoenix 48/800 VE.Direct AU/NZ (AS/NZS 3112) | 105 x 216 x 305 | 5,5 |
| PIN481801400 | | Phoenix 48/800 VE.Direct UK (BS 1363) | 105 x 216 x 305 | 5,5 |
| PIN482121100 | | Phoenix 48/1200 VE.Direct IEC | 117 x 232 x 327 | 7,4 |
| PIN482120400 | | Phoenix 48/1200 VE.Direct UK (BS 1363) | 117 x 232 x 327 | 7,4 |
| BPC120134024R | | Blue Smart IP65 Charger 6V/12V-1.1 + DC connector | 36 x 65 x 149 | 0,4 |
| BPC120433024R | | Blue Smart IP65s Charger 12/4 + DC connector | 45 x 81 x 182 | 0,6 |
| BPC120533024R | | Blue Smart IP65s Charger 12/5 + DC connector | 45 x 81 x 182 | 0,6 |
| BPC120731024R | | Blue Smart IP65 Charger 12/7 + DC connector | 47 x 95 x 190 | 0,8 |
| BPC121031024R | | Blue Smart IP65 Charger 12/10 + DC connector | 60 x 105 x 190 | 0,9 |

| PRODUCT CODE | PRODUCT & MARK | DIMMENSIONS, mm | WEIGHT, kg |
|---|---|---|---|
| BPC121531024R | Blue Smart IP65 Charger 12/15 + DC connector | 60 x 105 x 190 | 0,8 |
| BPC122531024 | Blue Smart IP65 Charger 12/25 + DC connector | 75 x 140 x 240 | 1,9 |
| BPC240831024R | Blue Smart IP65 Charger 24/8 + DC connector | 60 x 105 x 190 | 0,9 |
| BPC241331024 | Blue Smart IP65 Charger 24/13 + DC connector | 75 x 140 x 240 | 1,9 |
| BPC121542022 | Blue Smart IP22 Charger 12/15 (1) | 235 x 108 x 65 | 1,4 |
| BPC121544022 | Blue Smart IP22 Charger 12/15 (3) | 235 x 108 x 65 | 1,4 |
| BPC122042022 | Blue Smart IP22 Charger 12/20 (1) | 235 x 108 x 65 | 1,4 |
| BPC122043022 | Blue Smart IP22 Charger 12/20 (3) | 235 x 108 x 65 | 1,4 |
| BPC123047022 | Blue Smart IP22 Charger 12/30 (1) | 235 x 108 x 65 | 1,4 |
| BPC123048022 | Blue Smart IP22 Charger 12/30 (3) | 235 x 108 x 65 | 1,4 |

| PRODUCT CODE | PRODUCT & MARK | | DIMMENSIONS, mm | WEIGHT, kg |
|---|---|---|---|---|
| BPC241242022 | | Blue Smart IP22 Charger 24/12(1) | 235 x 108 x 65 | 1,4 |
| BPC241647022 | | Blue Smart IP22 Charger 24/16 (1) | 235 x 108 x 65 | 1,4 |
| BPC241648022 | | Blue Smart IP22 Charger 24/16 (3) | 235 x 108 x 65 | 1,4 |
| BPC120747026 | | Blue Smart IP67 Charger 12/7(1) | 85 x 211 x 60 | 1,8 |
| BPC121347026 | | Blue Smart IP67 Charger 12/13(1) | 85 x 211 x 60 | 1.8 |
| BPC121747026 | | Blue Smart IP67 Charger 12/17(1) | 99 x 219 x 65 | 2,4 |
| BPC122547026 | | Blue Smart IP67 Charger 12/25(1) | 99 x 219 x 65 | 2,4 |
| BPC241247026 | | Blue Smart IP67 Charger 24/12(1) | 99 x 219 x 65 | 2,4 |
| BPC120134014R | | Blue Smart IP65 Charger 6V/12V-1.1 + DC connector | 36 x 65 x 149 | 0,4 |
| BPC120433014R | | Blue Smart IP65s Charger 12/4 + DC connector | 45 x 81 x 182 | 0,8 |

| PRODUCT CODE | PRODUCT & MARK | DIMMENSIONS, mm | WEIGHT, kg |
|---|---|---|---|
| BPC120533014R | Blue Smart IP65s Charger 12/5 + DC connector | 45 x 81 x 182 | 0,6 |
| BPC120731014R | Blue Smart IP65 Charger 12/7 + DC connector | 47 x 95 x 190 | 0,8 |
| BPC121031014R | Blue Smart IP65 Charger 12/10 + DC connector | 60 x 105 x 190 | 0,9 |
| BPC121531014R | Blue Smart IP65 Charger 12/15 + DC connector | 60 x 105 x 190 | 0,9 |
| BPC122531014 | Blue Smart IP65 Charger 12/25 + DC connector | 75 x 140 x 240 | 1,9 |
| BPC240531014R | Blue Smart IP65 Charger 24/5 + DC connector | 47 x 95 x 190 | 0,8 |
| BPC240831014R | Blue Smart IP65 Charger 24/8 + DC connector | 60 x 105 x 190 | 0,9 |
| BPC241331014 | Blue Smart IP65 Charger 24/13 + DC connector | 75 x 140 x 240 | 1,9 |
| BPC121542012 | Blue Smart IP22 Charger 12/15(1) | 235 x 108 x 65 | 1,4 |
| BPC121544012 | Blue Smart IP22 Charger 12/15(3) | 235 x 108 x 65 | 1,4 |

| PRODUCT CODE | PRODUCT & MARK | | DIMMENSIONS, mm | WEIGHT, kg |
|---|---|---|---|---|
| BPC122042012 | | Blue Smart IP22 Charger 12/20(1) | 235 x 108 x 65 | 1,4 |
| BPC122044012 | | Blue Smart IP22 Charger 12/20(3) | 235 x 108 x 65 | 1,4 |
| BPC123047012 | | Blue Smart IP22 Charger 12/30 (1) | 235 x 108 x 65 | 1,4 |
| BPC123048012 | | Blue Smart IP22 Charger 12/30 (3) | 235 x 108 x 65 | 1,4 |
| BPC241242012 | | Blue Smart IP22 Charger 24/12(1) | 235 x 108 x 65 | 1,4 |
| BPC241647012 | | Blue Smart IP22 Charger 24/16 (1) | 235 x 108 x 65 | 1,4 |
| BPC241648012 | | Blue Smart IP22 Charger 24/16 (3) | 235 x 108 x 65 | 1,4 |
| BPC120713016 | | Blue Smart IP67 Charger 12/7 (1) | 85 x 211 x 60 | 1,8 |
| BPC121347016 | | Blue Smart IP67 Charger 12/13(1) | 85 x 211 x 60 | 1,8 |
| BPC121713016 | | Blue Smart IP67 Charger 12/17 (1) | 99 x 219 x 65 | 2,4 |

| PRODUCT CODE | PRODUCT & MARK | DIMMENSIONS, mm | WEIGHT, kg |
|---|---|---|---|
| BPC122547016 | Blue Smart IP67 Charger 12/25 (1) | 99 x 219 x 65 | 2,4 |
| BPC240547016 | Blue Smart IP67 Charger 24/5(1) | 85 x 211 x 60 | 2,4 |
| BPC240847016 | Blue Smart IP67 Charger 24/8(1) | 99 x 219 x 65 | 2,4 |
| BPC241247016 | Blue Smart IP67 Charger 24/12 (1) | 99 x 219 x 65 | 2,4 |
| BPC120134034R | Blue Smart IP65 Charger 6V/12V-1.1 + DC connector | 36 x 65 x 149 | 0,4 |
| BPC120433034R | Blue Smart IP65s Charger 12/4 + DC connector | 45 x 81 x 182 | 0,6 |
| BPC120533034R | Blue Smart IP65s Charger 12/5 + DC connector | 45 x 81 x 182 | 0,6 |
| BPC120731034R | Blue Smart IP65 Charger 12/7 + DC connector | 47 x 95 x 190 | 0,8 |
| BPC121031034R | Blue Smart IP65 Charger 12/10 + DC connector | 60 x 105 x 190 | 0,9 |
| BPC121531034R | Blue Smart IP65 Charger 12/15 + DC connector | 60 x 105 x 190 | 0,9 |

| PRODUCT CODE | PRODUCT & MARK | DIMMENSIONS, mm | WEIGHT, kg |
|---|---|---|---|
| BPC122531034 | Blue Smart IP65 Charger 12/25 + DC connector | 75 x 140 x 240 | 1,9 |
| BPC240531034R | Blue Smart IP65 Charger 24/5 + DC connector | 47 x 95 x 190 | 0,8 |
| BPC240831034R | Blue Smart IP65 Charger 24/8 + DC connector | 60 x 105 x 190 | 0,9 |
| BPC241331034 | Blue Smart IP65 Charger 24/13 + DC connector | 75 x 140 x 240 | 1,9 |

EFOY
ENERGY FOR YOU

# RV hybrid power lithium batteries

EFOY
ENERGY FOR YOU

With over 20 years of experience and more than 50,000 fuel cells sold, SFC Energy AG is a leading supplier of direct methanol and hydrogen fuel cells, as well as lithium batteries and energy management systems for stationary and mobile hybrid power supply solutions. Our fuel cells are developed and produced in Germany. Our products' safety is evaluated and tested by the Technical Inspection Association (TÜV).

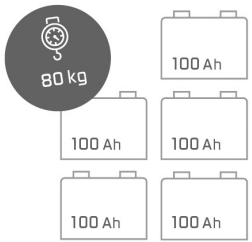
Together, the EFOY Fuel Cell and EFOY Lithium Battery are unbeatable: 100 % self-suffi cient, weather-independent, environmentally friendly and quiet. The integrated smart Battery Management System (BMS) establishes intelligent communication between the fuel cell and the lithium battery. As a result, the battery benefi ts from optimum charging, special protection and a long service life. You can easily control your EFOY products via the EFOY app.

The EFOY Fuel Cell is the best power generator for on-thego. It produces environmentally friendly electricity as part of a chemical reaction, which charges the on-board battery.

This quiet process is entirely automatic, meaning that you can enjoy your time off. 230 V devices can also be used in conjunction with an inverter.

**HIGH PERFORMANCE | INTELLIGENT | EFFICIENT**

# EFOY HYBRID POWER AND LIFEPO4 BATTERY IN COMPARISON




**5x LiFePO4 Battery**

Despite high capacity only a power storage, without charger




**EFOY 80 + EFOY Li 70 Ah + Fuel Cartridge**

Clever, lightweight energy solution consisting of power generator and fuel cartridge

| | | +M5 | +M10 |
|---|---|---|---|
| Max. capacity @ 12 V | 500 Ah | 530 Ah | 995 Ah |
| Weight | 80 kg | 22,6 kg | 26,7 kg |
| Volume | 60 l | 40 l | 45 l |




# EFOY HYBRID POWER FUEL CELL AND LITHIUM BATTERY



EFOY
ENERGY FOR YOU

MADE IN GERMANY

TÜV SÜD

## EFOY LITHIUM BATTERY

The EFOY Lithium (LiFePO4) Battery as a power storage device is the perfect starting point for an off-grid power supply. The integrated smart Battery Management System (BMS) continuously controls and optimizes the battery parameters for optimum effi ciency and battery protection. Thanks to the built-in heating element, the EFOY Lithium Battery is able to charge even at sub-zero temperatures. The robust housing protects against water splashes.




## WHAT YOU SHOULD KNOW ABOUT THE LITHIUM BATTERY

- Virtually the entire battery capacity can be used
- Designed for high discharge currents, which allows the operation of powerful consumers
- Light, safe and durable

| EFOY LITHIUM BATTERY | EFOY LI 70-12 V | EFOY LI 105-12 V |
|---|---|---|
| Nominal capacity | 70 Ah | 105 Ah |
| Nominal voltage | 12,8 V | 12,8 V |
| Weight | 11,8 kg | 16,3 kg |
| Dimensions (WxDxH) | 269 x 175 x 190 mm | 368 x 175 x 190 mm |

## WHAT YOU SHOULD KNOW ABOUT THE FUEL CELL

- Can be used all year round – 365 days without being plugged in
- Once installed, it is practically maintenance-free
- Quiet power generation

**EFOY FUEL CARTRIDGES ARE SAFE, CLEAN AND AVAILABLE EVERYWHERE.**



EFOY
ENERGY FOR YOU

MADE IN GERMANY

TÜV SÜD

| RECOMMENDATION | ENERGY DEMAND 12V / TRAVEL BEHAVIOR |
|---|---|
|  | 35 – 60 Ah / day<br>Power supply for long weekends |
|  | 55 – 120 Ah / day<br>Comfort vacation in any season |
|  | 120 – 200 Ah / day<br>Superior travel experience with high energy demand |

**EFOY Pro 2800** - the fuel cell for even more performance - already proven in a wide range of stationary and mobile industrial applications – now also for the superior travel experience.

- Fully automatic and maintenance-free
- Quiet and environmentally friendly
- Compact and lightweight

| FUEL CELL | EFOY 80 | EFOY 150 | EFOY PRO 2800 |
|---|---|---|---|
| Maximum output | 40 W | 75 W | 125 W |
| Maximum load capacity / day 12 V | 80 Ah | 150 Ah | 250 Ah |
| Nominal voltage | 12 V / 24 V | 12 V / 24 V | 12 V / 24 V |
| Weight | 6,5 kg | 6,9 kg | 7,8 kg |
| Dimension, (W × D × H) | 448 × 198 × 275 mm | 448 × 198 × 275 mm | 448 × 198 × 275 mm |




| EFOY FUEL CARTRIDGE | M5 | M10 |
|---|---|---|
| Total capacity 12 V | 460 Ah | 925 Ah |
| Volume | 5 liters | 10 liters |
| Consumption | 0,9 l / kWh | 0,9 l / kWh |
| Dimension (W × D × H) | 190 × 145 × 283 mm | 230 × 193 × 318 mm |

# RV manometer panels

# Digital manometer






Left side pressure

Left side pressure

- **Modern design**
- **Small size (Ø 52 mm)**
- **Maximum precision**
- **Illuminated for night read**

Pressure sensor





Wiring




**Fiat Ducato X250-X290**
With mechanical hand brake




**Ford Transit**

## Specific dashboard digital

esi italia






- Free installation position
- Adjustable stand
- Anti reflection cover
- Possibility of fixing without screws

Switches installation example






Vehicle installation examples

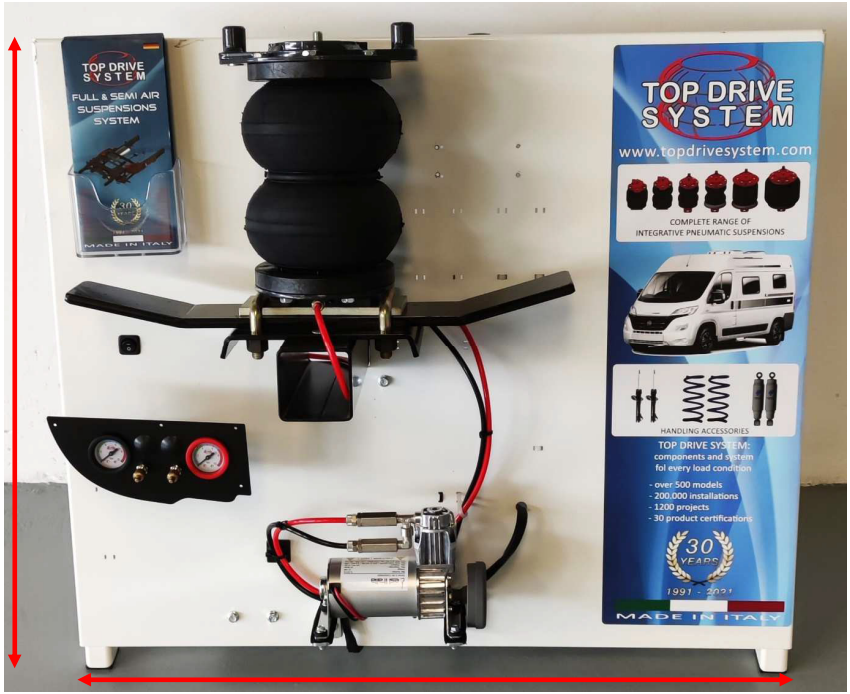
esi italia

Tabletop display with simulator



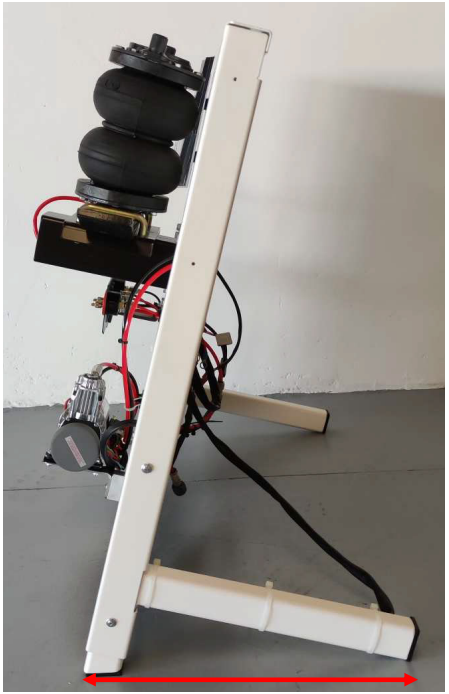

Also available with dashboard panel






680 mm

805 mm



385 mm

455 mm

Expositor




# Other partners

WATERFLEX

This company have been selling tanks for many years and carefully select the goods they offer, which are always of the highest quality.



WATERFLAX try to meet their customers' expectations, which is why they are constantly expanding product range and introducing new services. If you are interested in producing your own tank model, they will be happy to provide a dedicated price calculation.

# MOVERA

MOVERA has been reliable partner for spare parts, technology and accessories for more than 20 years. Simply for everything you might need in your mobile leisure.



As a wholesaler, company supply a worldwide network of trading partners from their warehouse and logistics centre in Bad Waldsee. Thanks to the extensive product range around camping and leisure, company serve the needs of thei customers: with quality and functionality perfectly.

## Movera spare parts and accessories

## GES INTERNATIONAL

GES INTERNATIONAL Srl has been operating in the recreational vehicle sector since 1978, dedicating itself to the distribution of accessories for campers and caravans.




Founded as a supplier for manufacturers, over the years has increasingly focused its attention on workshops, dealers and markets for accessories. The daily commitment in which GES stands out is the constant search for new items, at the best price and useful for the sector, always trying to bring innovation and added value to its catalog and its customers. The wide range of items covered, with more than 4,000 items in the list, ranges from spare parts and technical accessories to products purely from the market, most of which are always available in stock for prompt delivery.

## Ges International spare parts and accessories

VOLT POLSKA

Company is dealing with the design, production and distribution of, among others, uninterruptible power supplies, converters, voltage converters and reducers, laptop power supplies, rectifiers and batteries.



Inwertery solarne SINUS PRO S (z regulatorem MPPT)




Inwertery solarne SINUS PRO ULTRA (z regulatorem MPPT)



Regulatory solarne MPPT



Regulatory solarne PWM

Company is distinguished by a wide range of high-quality products, regularly expanded with new products. Thanks to a dynamic strategy focused on business development and customer adaptation, the company's offer has been enriched over the years, including: reliable devices from the sinusPRO series, used in emergency power supply of heating installations (central heating furnaces, pumps, solar panels) and in installations powered by free solar energy (solar panels, solar controllers), multifunctional automatic battery rectifiers and batteries ideal for buffer operation maintenance-free AGM type.

Frankana Freiko®

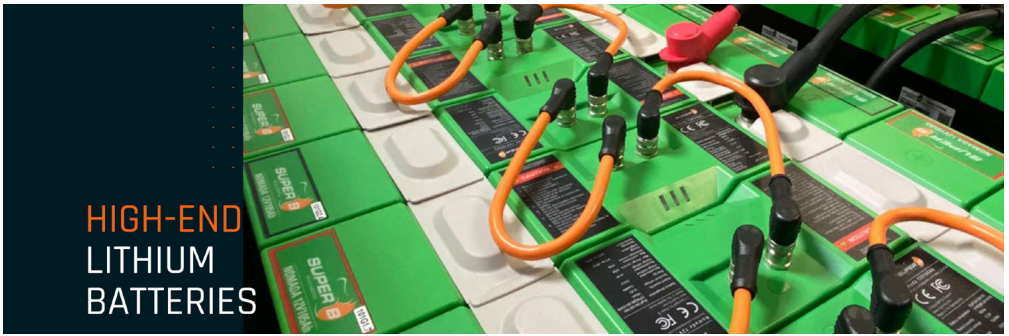
Frankana Freiko is one of Europe's market-leading wholesalers for camping and leisure accessories, supplying more than 1500 specialist retailers.



Company has been growing steadily for more than 40 years. In addition to expanding a first-class range of accessories and developing high-quality products under the label "Frankana Freiko Collection", they are particularly concerned with strengthening the specialist trade and campsite operators.

## FrankanaFreiko spare parts and accessories

Super B high-end Lithium Iron Phosphate batteries (LiFePO4) are developed and manufactured to outperform lead-acid batteries on the road, on the water or off-the-grid.




Lithium batteries offer a tremendous amount of energy in a small, lightweight and maintenance-free box that's robust, safe and reliable. Super B has a wide range of lithium iron phosphate (LiFePO4) batteries available. From small high-quality power batteries for motorcycles and racing cars to intelligent energy batteries with a large capacity for RV's, marine, and industrial applications. In addition to the high-end lithium batteries, Super B also offers a range of accessories. Accessories with which you can safely connect your battery, or simply to make optimal use of the lithium iron phosphate batteries.

## Super B lithium batteries

indelB

Leading supplier of cooling and refrigeration systems for vehicles, hotels, cruise ships and outdoor travel experiences.




Company know how to flexibly and efficiently fit into complex industrial processes while strictly adhering to the highest quality standards required by the industry. Continuous investment in research and development has enabled companies products to anticipate and interpret their partners' every need. Quality, customer focus and experience – take the long road to innovation with intel B.

## Indel B cooling and refrigerationg systems

VB airsuspension

As a leading company undergoing rapid growth, wants people all across the globe to benefit from their premium suspension applications and (air) suspension systems.



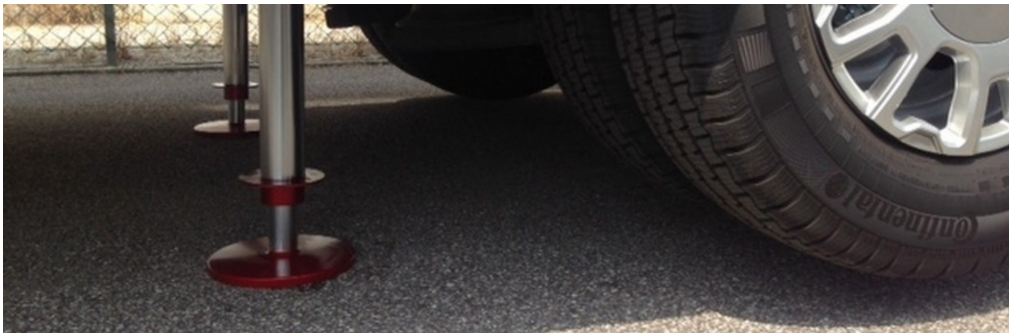







With an extensive range of products and excellent product features, (air) suspension systems find their way into many different applications. Company increasingly is seeing that their products bring added value in new markets, because they add 'nice-to-have' features or solve problems for a whole range of applications. The products in their extensive range fall into one of four main product groups, each with different products.

Since 1985 AMPLO srl has established itself as a manufacturer of hydraulic components in the Italian reality, ranging from the mechanical, industrial, rural and naval sectors.



Electro-hydraulic stabilizing feet are the best solution for stabilizing and leveling vehicles from the lightest to the heaviest. The use of four hydraulic actuators (cylinders) allows maximum stability to be given to the vehicle, the capacity varies from 1,000 to 10,000 kg per foot. The camper parking feet not only serve to level the vehicle even on the most hostile terrain, but also allow the tires and shock absorbers to be lightened from the weight of the vehicle during parking, making it easier to change tyres, wash the roof and drain the tanks. They also act as a deterrent to possible thefts: once the four feet are placed on the ground it is not possible to move the vehicle.

## Amplo hydraulic components

MTT SYSTEM
AIR SUSPENSION

Company serve top representatives of van and camper van fleets, such as Iveco Polska and Fiat Professional, as well as they are cooperating with workshops and parts wholesalers.




The MTT System range includes air suspensions for Renault, Opel, Iveco, Ford, Peugeot, Fiat, Volkswagen, Mercedes vans, both older and new models. The manufacturer provides individual product configuration to suit the specific vehicle model and customer requirements. The rubber diaphragm used in the air springs is manufactured by Rubena, the leader in this market.

## MTT system air suspension

FIAMMA
home is everywhere

Fiamma is known worldwide as a pioneer and leading company in manufacturing technical accessories for the recreational vehicle market.



Fiammastore products are the ideal travel companions for your holidays, trips, excursions and adventures. Whatever vehicle you have, in just a few moments you can enlarge the space at your disposal and transform it into an environment that you will immediately call “home”.
Awnings, Blockers and Privacy Rooms make you feel protected wherever you decide to stop. Start planning your next trip: with Fiamma, “home is everywhere”.

## Fiama spare parts and accessories

CARASAVE

The CARASAVE anti-theft device is developed, built and designed in Germany. With CARASAVE as an anti-theft device, caravans, mobile homes are protected against theft.




The installation of the CARASAVE alarm system for caravans and motorhomes should be carried out by a specialist company or a specialist. If you have the necessary experience and knowledge, you can carry out the fairly simple installation yourself. CARASAVE can be installed anywhere in the caravan. The initial setup of CARASAVE must be done using a smartphone and our app. For the initial registration, a connection must be established between the smartphone and the CARASAVE headquarters. After the initial setup, CARASAVE can also be used without a smartphone, e.g. via the remote control.

SURITEC

No laying cables, no construction work, no dirt. A socket is sufficient for operation. No additional sensors or detectors that need to be screwed onto windows or doors.




Because FR.ED does not require additional sensors or motion detectors, there are no permanent radio connections to other modules. This not only protects your health but also reduces the susceptibility to malfunctions.

Contacts us:

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AUTOELITE
CAR SERVICE