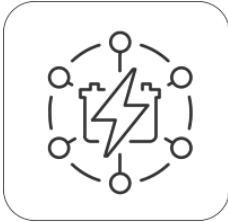


### V. Alternative Power

#### ALT POWER



#### Alternative Power Category Index

Alternative Power Solutions

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- v.2 Solar Controllers
- v.5 Battery Monitor Equipment
- v.7 Electric Vehicle Chargers

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### v.2 Solar Controllers

#### MPPT30A



#### MPPT 30amp 12/24 Volt Solar Controller - Max 100VDC

##### SPECIFICATIONS

Battery voltage: 12V/24V (auto detect)  
 Maximum PV Open-circuit Voltage (Voc): 100V Max  
 Rated PV Size: 390W/780W  
 Max PV Size: 2040W  
 Maximum PV Current: 30A  
 Maximum charging Current: 30A  
 Maximum Load Current: 30A  
 Working temperature: -20 ~ +45C  
 Weight: 1.2 kg  
 Dimensions: 228 mm × 164 mm × 55 mm  
 2 year warranty

#### MT50



#### Remote for Tracer MPPT Solar Controllers

Large-screen multifunction LCD displays all the operational data and system working status in digital, graphic and textual forms  
 ·With six navigation function keys, the operation is direct, convenient and rapid  
 ·Real-time energy statistics recording  
 ·Both data and data flowing on the same lead ,no need for external power  
 ·Real-time monitoring and acoustic alarm of failure information of the controller  
 More powerful function Via MT50  
 ·Diversified load control modes : manual, light ON/OFF, Light ON+ Timer, Time Control  
 ·Battery type selection: Gel, sealed, flooded and USER type  
 ·Real-time monitor  
 ·Programmable parameters  
 ·Energy display function  
 Connection cable length: 2m  
 Dimensions: 114mm x 114mm  
 24 month warranty

### v.5 Battery Monitor Equipment

#### SHU050150050



#### Smart Shunt 500A/50mV

The SmartShunt is an all in one battery monitor, only without a display. Your phone acts as the display. The SmartShunt connects via Bluetooth to the VictronConnect App on your phone (or tablet) and you can conveniently read out all monitored battery parameters, like state of charge, time to go, historical information and much more.

**Brand:** Victron Energy

Alternatively the SmartShunt can be connected and be read by a GX device. Connection to the SmartShunt is made via a VE.Direct cable.

The SmartShunt is a good alternative for a BMV battery monitor, especially for systems where battery monitoring is needed but less wiring and clutter is wanted. The SmartShunt is equipped with Bluetooth, a VE.Direct port and a connection that can be used for: monitoring a second battery, midpoint monitoring or a temperature sensor.

**Size:** 46 x 120 x 54mm

**Remarks:** 500A

### v.7 Electric Vehicle

0000/6301

#### TECHNIVOLT 1100 SMART

**Brand:** TechniVolt



Made in Germany

Type 2 charging plug

The TECHNIVOLT 1100 SMART has a type 2 charging cable permanently integrated into the charging station. The vast majority of e-cars in Europe can be charged with this, since the type 2 plug is now the European standard.

Energy management

The TECHNIVOLT 1100 SMART can be integrated into an energy management system, e.g. a compatible photovoltaic system (PV system) can be integrated using the EEBUS protocol via LAN in order to charge an electric vehicle if there is excess PV. If the PV system generates more electricity than is consumed in the household, charge your electric car for free with excess PV.

Energy meter

Kilowatt hours can be billed using the integrated MID-certified meter and shown on the integrated display on the charging station. Ideal to bill the company cars of employees or the vehicles of tenants for a fee.

Plug & Charge ISO 15118

Plug & Charge according to ISO 15118 enables the secure authentication of your vehicle for the charging process without additional charging authorization, e.g. by an RFID card. The charging station automatically detects the compatible electric car when it is connected via the charging cable - the charging process can start immediately and conveniently.

0000/6400

#### TECHNIVOLT 100

**Brand:** TechniVolt



Type 2 charging socket

The TECHNIVOLT 100 is equipped with a Type 2 charging socket. Use a Type 2 charging cable to charge the vast majority of e-cars in Europe. The Type 2 plug is now the European standard.

UPC 4019588064003

100-300-0

#### EC 311 S - EV Charger 11KW/16A

**Brand:** Telestar



Three-phase, 11kW/16A charging station for electric and hybrid vehicles featuring IEC 62196-2 type 2 charging socket.

The TELESTAR EC 311 S is a three-phase charging station. It is suitable for charging electric and or hybrid vehicle featuring a maximum output of 11KW at 16A. The charging process is controlled via and displayed on a 3.5" LCD color display (touch screen) and can also be monitored and controlled via smart phone application (free to download for iOS & Android). The EC 311 S' small yet elegant housing is heat-resistant and meets the requirements of protection class IP 66 making it fit for indoor and outdoor installation.

**Remarks:** 7 Kw Single Phase

100-300-1

#### EC 311 S6 EV Charger 11Kw/16A

**Brand:** Telestar



Three-phase, 11kW/16A charging station for electric and hybrid vehicles featuring 6m charging cable with type 2 connector.

The TELESTAR EC 311 S6 is a three-phase charging station featuring a charging cable (length 6m) with type 2 connector. It is suitable for charging electric and or hybrid vehicle featuring a maximum output of 11KW at 16A. The charging process is controlled via and displayed on a 3.5" LCD color display (touch screen) and can also be monitored and controlled via smart phone application (free to download for iOS & Android). The EC 311 S6 small yet elegant housing is heat-resistant and meets the requirements of protection class IP 66 making it fit for indoor and outdoor installation.