

# Solar charger MPPT SOL-1



## 12V and 24V

### for autonomous off-grid electric energy supply

Suitable for Pb, Pb-gel and AGM batteries. (Lilon versions on request)

#### Functions:

- ◆ Charges a 12V or 24V battery from a 12V panel with automatic 12V / 24V battery voltage detection
- ◆ Can charge upwards: A "12V" panel can charge through the SOL-1 a 24V battery
- ◆ Suitable for up to 100Wp solar panels, the max charge current is up to 6A
- ◆ Built in online MPP - tracking
- ◆ Built-in polarity tester simplifies commissioning
- ◆ In 24V battery operation mode a street light function is pre-programmed
- ◆ Versions for Li-ion batteries available
- ◆ Pluggable connections for battery, solar panel and load out (24V)

#### Energy anywhere:

- ◆ Agriculture
- ◆ Garden House electrification
- ◆ Leisure, Camping & Outdoor
- ◆ Garage power supplies
- ◆ Security technology
- ◆ Golf Caddies and more



#### Solar charge controller SOL-1 in brief:

- ◆ Maximum Power Point Tracking (MPPT) charger for 12V and 24V systems
- ◆ Up and down conversion in a single device
- ◆ High efficiency and up to 35% more output from solar panels and cost optimization
- ◆ ENGINEERED AND MADE IN GERMANY

#### Installation and commissioning:

- ◆ The flange and the built-in polarity tester simplify the installation - only a screwdriver is required, no instruments.
- ◆ A LED indicates during commissioning the correct polarity of the battery and the solar panel and in running operation by flickering the LED indicates the MPP tracking function or being continuously on a full battery.

#### SOL-1 specifications:

Solarpanel	12V" e.g. about 16,8VMPP and maximum 100Wp
Charging current	maximum 6A
Battery voltage	12V or 24V, wet, gel or AGM (Lilon on request)
Dimensions	125 x 80 x 50 mm
Weight	ca. 300 g

Scope of supply: battery charger with built-SOL-1 MPP tracking, manual.

### Other models and custom solutions on request