



MPPT100 Solar Regulator

Description

The MPPT100 Solar Regulator is used to Regulate the Charge of **Lithium-Ion** or Lead Acid Batteries, when charged from PV (Photovoltaic) Solar Panels. By doing **Maximum Power Point Tracking**, it ensures that you always get the maximum available power out of your PV Panels.

Parallel Operation

Up to 30 MPPTs can be connected in Parallel.

LCD display & Keypad

The LCD Display and keypad give you access to real-time values of all parameters. The system can be configured and all settings can be done with the LCD display and keypad.

Remote Monitoring

If the MPPTs is used with at least one **JSM 8kVA 48V Inverter/Charger**, the system can be monitored remotely with the use of a Riot Cloudlink. All data can be stored and displayed on the Riot portal.

Programable Relay (Optional)

A **30Amp** AC Relay can be added, which can be programmed to switch on and off at Voltage Levels.

Specifications

Solar Input Voltage Range	:	30 - 200 Vdc
MPPT Voltage Range	:	30 – 160 Vdc
Battery Output Voltage	:	24V, 36V or 48V (Self-detect)
Output Current	:	100A max (settable)
Charging scheme	:	Bulk/Absorb/Float & Equalize for Lead Acid Batteries
Efficiency	:	>95%
Cooling	:	Fan-Cooled (Switch on if Heat-sink is above 50°C)
Dimensions (h x w x d)	:	380mm x 250mm x 150mm
Weight	:	7.2kg

Protection

Over Current Protection	:	Electronic as well as Battery & PV Circuit Breakers
Over Voltage Protection	:	200 V
Over Temperature Protection	:	Limit Current above 70°C on Heat-sink, Switch of @ 75°C