

# MPPT Solar Controller 85A, 250V, removable screen



## Product Accessories

RM-7 display, USB to TTL cable, BTS temperature sensor.



## Product Characteristics



30% higher than PWM mode.



PV short-circuit protection,  
charge over-current protection.



Rs485 Modbus protocol Built-in  
Bluetooth module.



12/24V/36/48 identification.



Historical data storage.



MPPT tracking efficiency  
is up to 99.9%.



Built-in temperature  
detection.



Lead-acid batteries,  
colloidal batteries, open-  
ended batteries, lithium  
batteries.



Current-limiting charging  
mode.

## Product Parameters

- System voltage: 12V/24/36/48V
- Static power consumption: 0.54W
- Maximum input voltage of solar energy (25°C): 250V
- Voltage Range at MPP (Maximum Power Point): Battery voltage +2~ 180V
- Support battery type: Lead-acid batteries, colloidal batteries, open-ended batteries, lithium batteries
- Temperature compensation coefficient: -3mV/°C/2V (default, settable lead-acid); no temperature compensation for lithium battery.
- Operating temperature range: -35°C-60°C
- Humidity: 95%, no condensation
- Protection grade: IP32
- Charging current: 85A
- Solar panel power (12V battery): 1100W
- Solar panel power (24V battery): 2200W
- Solar panel power (48V battery): 3300W
- Weight: 3.6kg
- Communication mode: TTL(3.3V)/R5485/Bluetooth Module
- Product Dimensions: Conventional: 314×227×121mm
- Terminal blocks: 35mm<sup>2</sup>/2AWG