

MPPT Solar Charge Controller

MF4860N15



Product Characteristics

- PowerCatcher MPPT technique.
- It enables full power charging and discharging.
- Support parallel charging is supported.
- Active output voltage stabilization ensures good lithium battery activation.
- Temperature compensation is available.
- Multiple battery types can be preset.
- LCD is equipped for real-time data interaction.
- Various protections such as over-voltage, over-current, overload, over-temperature, short-circuit and reverse polarity protections.
- Natural heat dissipation by fan.
- RS485 Modbus protocol.

Product Accessories

Parallel machine connection wire, BTS temperature sensor.



Parameters

Model	MF4860N15
System Voltage	12V/24V/36V/48V
Static power consumption	<0.5W
Battery voltage	9~64V
Maximum input voltage of solar energy (25°C)	150V
Voltage Range at MPP (Maximum Power Point)	Battery voltage +2 ~ 120V
Rated charging current	60A
Rated load current	40A
PV system maximum input power	800W/12V 1600W/24V 2400W/36V 3200W/48V
Support battery type	Lead-acid batteries, gel batteries, Lead-acid, lithium batteries
Temperature compensation coefficient	-3mv/°C/2V (default)
Operating temperature	-10°C ~ +65°C
Humidity	95%, no condensation
Protection grade	IP32
Weight	3.6Kg
Communication mode	RS485
Product dimensions	275×167×82(mm)
Terminal blocks	20mm ² /4AWG
Functional authentication	IEC62509 : 2010

Parallel application

