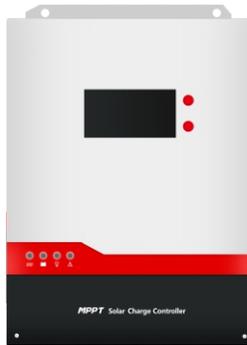


MPPT Solar Charge Controller

MF4860N15



Product Accessories



Product Characteristics



30% higher than PWM mode



Full-range electronic protection functions



Modbus protocol



Battery Automatical identification



Historical data storage



MPPT tracking efficiency is up to 99.9%



Air-cooled heat dissipation, built-in temperature detection, through the forehead charging, still under extreme temperature environment. Keep running steadily. Equipped with external temperature probe, automatic temperature compensation and charging parameters adjustment. Improve the storage battery life.



Can be used in parallel machine, up to 16 parallel machines can be supported.



Current-limiting charging mode



LCD display

Product 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	AGM Battery, GEL Battery, Flooded Battery, Lithium Battery
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