

MPPT Solar Charge Controller

MC4885N15/MC48100N15/MC4885N25/MC48100N25

Product Accessories

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



Product Characteristics



30% higher than PWM mode.



MPPT tracking efficiency is up to 99.9%.



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



Built-in temperature detection.



RS485 Modbus protocol
Built-in bluetooth module.



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



12/24V/36/48 identification.



Current-limiting charging mode.



Historical data storage.

Product Parameters

Model	SR-MC4885N15	SR-MC48100N15	SR-MC4885N25	SR-MC48100N25
System voltage	12V/24/36/48V			
Static power consumption	0.54W			
Maximum input voltage of solar energy (25°C)	150V		250V	
Voltage Range at MPP (Maximum Power Point)	Battery voltage +2~ 120V		Battery voltage +2~ 180V	
Charging current	85A	100A	85A	100A
Solar panel power (12V battery)	1100W	1300W	1100W	1300W
Solar panel power (24V battery)	2200W	2600W	2200W	2600W
Solar panel power (48V battery)	4400W	5200W	4400W	5200W
Support battery type	Lead-acid batteries, colloidal batteries, open-ended batteries, lithium batteries			
Temperature compensation coefficient	-3mV/°C/2V			
Operating temperature range	-35°C~60°C			
Humidity	95%, no condensation			
Protection grade	IP32			
Weight	5.7kg			
Communication mode	TTL(3.3V)/RS485/Bluetooth Module			
Product Dimensions	314*227*121 (mm)			
Terminal blocks	35mm ² /2AWG			