



MC series Solar Charge Controller

MC4885/48100N15, MC4885/48100N25



For off-grid application

- Connect to photovoltaic and supply power to batteries

User-Friendly

- Easy to install and simple to use
- Natural cooling, absolutely quiet

Safety

- Complete charge protection mechanism
- High quality components for stable operation

All-in-One

- Supports multiple battery types
- Support 1-10 PCS in parallel

Efficient

- MPPT with up to 99.9% efficiency
- Support solar panel 2 in series/more in parallel

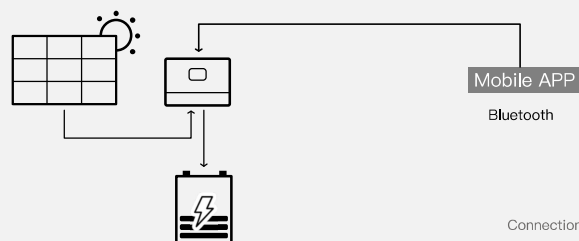
Intelligent

- Supports TTL, RS485 communication
- Supports Bluetooth with mobile APP

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MODEL	MC4885N15		MC48100N15		MC4885N25		MC48100N25		Can Be Set	
PV INPUT										
Max.Voltage of Open Circuit		150Vdc			250Vdc					
MPPT Voltage Range		(Battery voltage+2V)~ 120V			(Battery voltage+2V)~ 180V					
Max.PV Input Power		1100W/12V	1320W/12V	1100W/12V	1320W/12V	✓				
		2200W/24V	2640W/24V	2200W/24V	2640W/24V					
		3300W/36V	3960W/36V	3300W/36V	3960W/36V					
		4400W/48V	5280W/48V	4400W/48V	5280W/48V					
Max. Parallel Capacity		1~10 units								
BATTERY										
Battery Type		FLD/GEL/Li/SLD/User Defined								✓
Rated Battery Voltage		12V/24V/36V/48V Vdc								
Battery Voltage Range		9~64Vdc								✓
Rated Charging Current		85A	100A	85A	100A	✓				
MPPT Charging Mode		Buck								
EFFICIENCY										
MPPT Tracking Efficiency		>99%								
Max. Charging Conversion Efficiency		≤98%								
ACCESSORIES										
Matching		RM-6/ RM-7 Display screen, BT-2 Bluetooth module, USB to TTL Connecting wire, TTLCommunication line (TTLtoTTL), BTS Temperature sensor, CN-4 (TTL to 485), GP-2 Internet of things module, 6-core communication cable, RS485 Communication line (RS485 to RS485)								✓
GENERAL										
Communication		TTL/RS485/Built-in Bluetooth								✓
Weight		5.7kg (12.57lb)								
Dimension		314*227*121mm (1.03*0.74*0.40ft)								
Protection Degree		IP32								
Operating Temperature Range		-35°C~65°C (-31°F~149°F)								



Connection Diagram