



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

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℃~65℃ (-31℉~149℉)					

