



MC series

DC/DC Controller (Charge Only)

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
- Supports 1-10 units 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

Application scenario



House



Farm



Telecom



Countryside

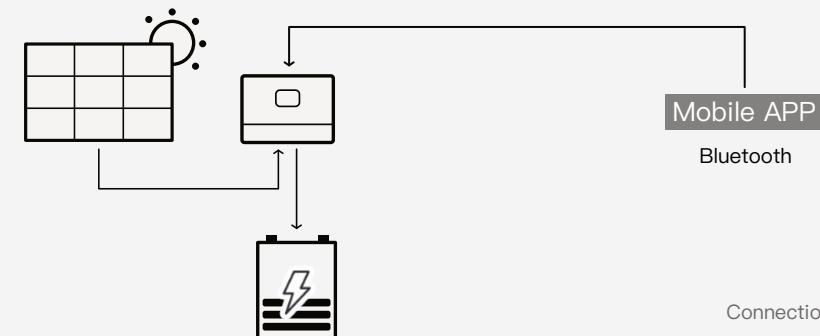


Island



Pasture

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 2200W/24V 3300W/36V 4400W/48V	1320W/12V 2640W/24V 3960W/36V 5280W/48V	1100W/12V 2200W/24V 3300W/36V 4400W/48V	1320W/12V 2640W/24V 3960W/36V 5280W/48V	✓
Max. Parallel Capacity	1~10 units				
BATTERY					
Battery Type	FLD/GEL/LI/SLD/User Defined				✓
Rated Battery Voltage	12/24/36/48Vdc				
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