



## 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

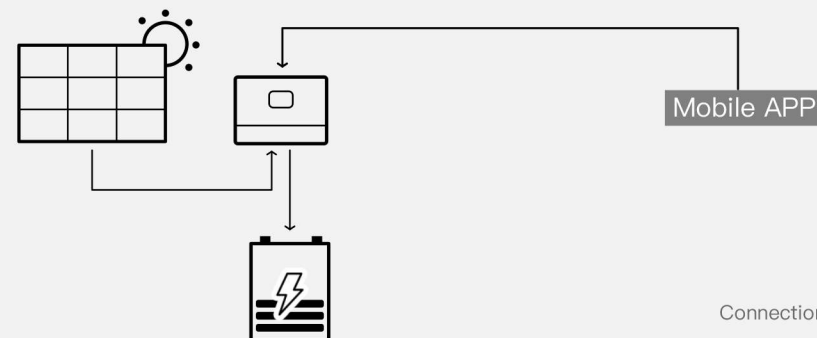
### Efficient

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

### Intelligent

- Supports TTL, RS485 communication

MODEL	MC4885N15	MC48100N15	MC4885N25	MC48100N25	Can Be Set
<b>PV INPUT</b>					
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				
<b>BATTERY</b>					
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				
<b>EFFICIENCY</b>					
MPPT Tracking Efficiency	>99%				
Max. Charging Conversion Efficiency	≤98%				
<b>ACCESSORIES</b>					
Matching	RM-6/ RM-7 Display screen, 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)				✓
<b>GENERAL</b>					
Communication	TTL/RS485				✓
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