



## MC serise

### Solar Charge Controller

MC4860/4870N15, MC4860/4870N25



#### 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

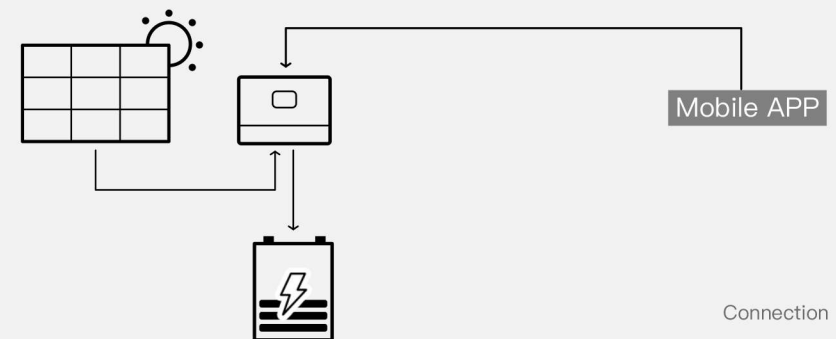
#### Efficient

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

#### Intelligent

- Supports TTL, RS485 communication

MODEL	MC4860N15	MC4870N15	MC4860N25	MC4870N25	CAN BE SET
<b>PV INPUT</b>					
Max.Voltage of Open Circuit	150Vdc		250Vdc		
MPPT Voltage Range	(Battery voltage+2V)~ 110V		(Battery voltage+2V)~ 180V		
Max.PV Input Power	800W/12V	920W/12V	800W/12V	920W/12V	✓
	1600W/24V	1840W/24V	1600W/24V	1840W/24V	
	2400W/36V	2760W/36V	2400W/36V	2760W/36V	
	3200W/48V	3680W/48V	3200W/48V	3680W/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	60A	70A	60A	70A	✓
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), ETB Temperature sensor, CN-4 (TTL to 485), GP-2 Internet of things module, RS485 Communication line (RS485 to RS485)				✓
<b>GENERAL</b>					
Communication	TTL/RS485				✓
Weight	3.6kg (7.94lb)				
Dimension	266*194*119mm (0.87*0.64*0.39ft)				
Protection Degree	IP32				
Operating Temperature Range	-35°C~65°C (-31°F~149°F)				



Connection Diagram