



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
- Highly integrated, helps you save space and wire

Efficient

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

Intelligent

- Supports TTL, CAN (RV-C) communication
- Supports Bluetooth with mobile APP

Application scenario



House



Farm



Telecom



Countryside



Island



Pasture

MODEL	MC2420N10	MC2430N10	MC2440N10	MC2450N10	Can Be Set
PV INPUT					
Max.Voltage of Open Circuit	100Vdc				
MPPT Voltage Range	(Battery voltage+2V)~ 72V				
Max.PV Input Power	260W / 12V 520W / 24V	400W / 12V 800W / 24V	550W / 12V 1100W / 24V	660W / 12V 1320W / 24V	✓
BATTERY					
Battery Type	FLD/GEL/LI/SLD/User Defined				✓
Rated Battery Voltage	12/24Vdc				
Battery Voltage Range	9~32Vdc				✓
Rated Charging Current	20A	30A	40A	50A	✓
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				
GENERAL					
Communication	TTL				✓
Weight	0.65kg(1.43lb)	0.83kg (1.83lb)	1.04kg (2.3lb)	1.335kg (2.94lb)	
Dimension	150*105.6*61.5mm	150*105.6*67.5mm	183*127*65.5mm	183*127*69.5mm	
Protection Degree	IP32				
Operating Temperature Range	-35℃~60℃ (-31°F~140°F)				

