



MC serie

MPPT solar charge controller

MC2420/2430/2440/2450N10



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

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 (5.9*4.16*2.4in)	150*105.6*67.5mm (5.9*4.16*2.66in)	183*127*65.5mm (7.2*5*5.58in)	183*127*69.5mm (5.9*4.16*2.74in)	
Protection Degree	IP32				
Operating Temperature Range	-35℃~-60℃ (-31℉~140℉)				

