



MA series Solar Charge Controller

MA2430N15/2440/2460/4830

- 12/24/36/48V
- 150V
- IP32
- Mobile APP

For off-grid application

- Can be connected to both PV , battery and load
- Multiple load operating modes to meet diverse needs

User-Friendly

- Easy to install and simple to use
- Natural cooling, absolutely quiet

Safety

- Complete charge and discharge 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 RS485 and CAN (RV-C protocols)
- Supports Bluetooth with mobile APP

MODEL	MA2430N15	MA2440N15	MA2460N15	MA4830N15	Can Be Set
PV INPUT					
Max. Voltage of Open Circuit	150Vdc				
MPPT Voltage Range	(Battery voltage+2V)~110Vdc				
Max.PV Input Power	400W/12V 800W/24V	520W/12V 1040W/24V	800W/12V 1600W/24V	400W/12V 800W/24V 1200W/36V 1600W/48V	✓
BATTERY					
Battery Type	USE / FLD / GEL / LI / SLD(default)				✓
Rated Battery Voltage	12/24Vdc		12/24/36/48Vdc		✓
Battery Voltage Range	8~32Vdc		8~64Vdc		✓
Rated Charging Current	30A	40A	60A	30A	✓
MPPT Charging Mode	Buck				
LOAD					
Load Type	Resistive load , Capacitive load , Inductive load				
Rated Load Voltage	Equal to battery voltage 12V/24V/36V/48V				
Rated Load Current	30A	40A	40A	30A	
Load Working Mode	Light control,Light control + Time control, manual control (default), Debugging mode, Normal open				✓
EFFICIENCY					
MPPT Tracking Efficiency	>99%				
Max. Charging Conversion Efficiency	85%~98%(Correspond load power10%~100%)				
COMMUNICATION					
TTL、RS485	TTL Baud rate 9600bps, RS485 port				✓
CAN	RV-C protocols				
Bluetooth	Built-in Bluetooth				
GENERAL					
Weight	2.3kg(5.1lb)		3.4kg(7.5lb)	3.6kg(7.9lb)	
Dimension	260*216*83.2mm(10*8.5*3.27in)		260*216*98.5mm(10*8.5*3.87in)		
Protection Degree	IP32				
Operating Temperature Range	-35°C~65°C (-31°F~149°F)				

