SRNE

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MF series

MPPT solar charge controller

MF4860N15

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

NEW
BEST QUALITY

MODEL	MF4860N15	CAN BE SET
PV INPUT		
Max.Voltage of Open Circuit	150Vdc	
MPPT Voltage Range	（Battery voltage+2V）～120V	
Max.PV Input Power	800W/12V、1600W/24V、2400W/36V、3200W/48V	✓
BATTERY		
Battery Type	Lead-acid / Li-ion / User Defined	✓
Rated Battery Voltage	12/24/36/48Vdc	✓
Battery Voltage Range	9~64Vdc	✓
Rated Charging Current	60A	✓
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	40A	
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	≤98%	
ACCESSORIES		
Standard	BTS temperature sensors	
Optional	RS485 Communication line（RS485 to RS485）、GP-2 IoT module	✓
GENERAL		
Communication	RS485	✓
Weight	3.6kg (7.94lb)	
Dimension	275*167*90mm (0.90*0.55*0.30ft)	
Protection Degree	IP32	
Operating Temperature Range	-10°C~65°C (14°F~149°F)	

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
- Air-cooled heat dissipation, built-in temperature detection

Safety

- Complete charge and discharge protection mechanism
- High quality components for stable operation

All-in-One

- Supports multiple battery types
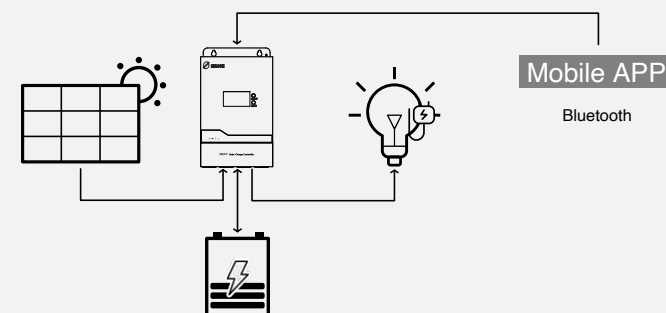- Support 1-16 parallel machines

Efficient

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

Intelligent

- Supports RS232、RS485 communication
- Supports Bluetooth with mobile APP

Mobile APP

Bluetooth

Wirting diagram

1.0