

# SR SERIES

Solar Charge Controller



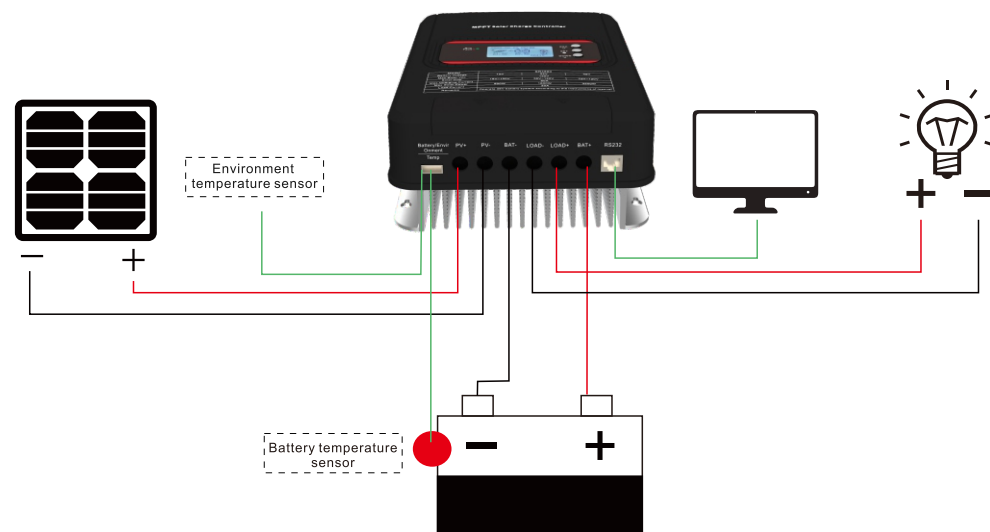
## Features

- 12V / 24V / 36V / 48Vdc settable
- 12 safety precautions
- Support Lithium battery
- Battery type seletable
- All kind of protections
- Charging current : 30A / 60A / 80A
- MPPT track efficiency can reach to 99.9%
- LED and LCD display show operation status

## Overview



## Solar System Connection



## Product Data Sheet

MODEL	SR4830	SR4860
<b>PV INPUT(PV)</b>		
Maximum PV Voltage(VOC)	135V(-20°C)145V(25°C)	
System Voltage	12V/24V/48V auto;36V set	
MPPT Voltage Range	Battery voltage+3V-120V	
Suggest Input VOC Voltage	22V/40V/60V/80V	
Number Of MPPT Trackers	1	
<b>MAX. PV INPUT POWER</b>		
12V	400W	800W
24V	800W	1600W
36V	1200W	2400W
48V	1600W	3200W
<b>CHARGER OUTPUT(DC)</b>		
Max.Output Current(revisable)	30A	60A
Rated Load Current	20A	
Max.Capacitive Load Capacity	10000uF	
Ripper Voltage	< 0.5%	
Applicable Battery Type (ex-factory default lead-acid battery)	Sealed lead-acid battery/Gel battery/Flooded battery/Tithium battery, other battery types can be customized	
<b>EFFICIENCY</b>		
Max.Efficiency	< 98%	
MPPT Efficiency	> 99%	
<b>PROTECTION</b>		
Protect function	PV input over voltage protection; PV input over current protection Output over voltage protection; output over voltage protection PV /battery anti-reverse protection; over temperature protection Battery low/high voltage protection; load over current protection Load short circuit	
<b>REGULAR DATA</b>		
Unloaded Loss	< 1.5W	
Operating Temperature	-20°C~+45°C	
Dimension.D*W*H(mm)	238*180*90mm	280*202*97mm
Net Weight (kgs)	2.3kg	3.6kg
Elevation Height	0% to 95%(No condensat)	
Cooling Concept	Natural	
IP Rate	IP 20	
Communication Interface	RS232(Extensible interface)	

