

## SC-3KW MPPT

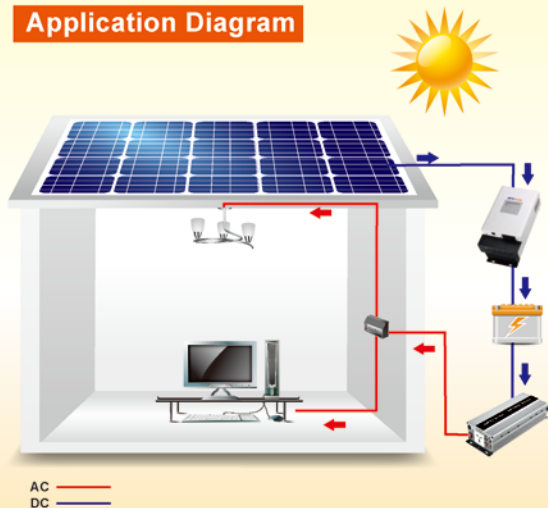
# Solar Charger MPPT

### Features

- Intelligent Maximum Power Point Tracking technology increases efficiency 25%~30%
- Compatible for PV systems in 12V, 24V or 48V
- Three-stage charging optimizes battery performance
- Equalization charging for extension of battery life span
- Maximum charging current up to 60A
- Maximum efficiency up to 98%
- Battery temperature sensor (BTS) automatically provides temperature compensation
- Automatic battery voltage detection
- Support wide range of lead-acid batteries including wet, AGM and gel batteries
- Integrated intelligent slot compatible with SNMP/MODBUS communication
- parallel charging function



### Application Diagram

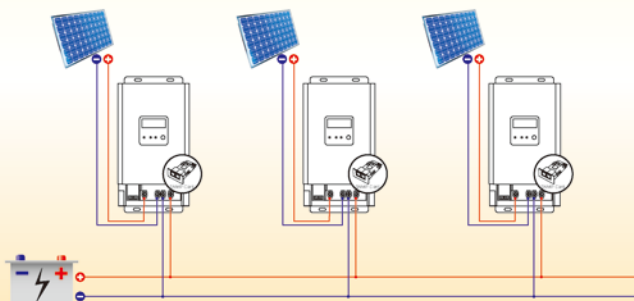


### Parallel charging function

Users can assign chargers in the same group will be parallel charged to the same batteries.

Each charger communicates through SNMP interface and integrates all the solar energy to charge the battery.

Simply activate the parallel charging function in the software and benefit the battery with a longer lifespan.



### Specifications

MODEL		SC-3KW MPPT	
<b>PV INPUT</b>			
MPPT Range	60VDC~115VDC		
Maximum PV Array Open Circuit Voltage	145VDC		
Maximum PV Array Power	800W	1600W	3200W
Maximum Input Current	50A		
<b>BATTERY</b>			
Nominal Battery Voltage	12V	24V	48V
Connected Battery Type	Sealed lead acid, AGM or Gel		
Maximum Charge Current	60A		
Maximum Efficiency	98%		
Charging Method	Three stages: bulk, absorption, floating		
<b>PHYSICAL</b>			
Dimension (D×W×H)	315×165×128 mm		
Net Weight	4.5kgs		
Type of Mechanical Protection	IP 31		
<b>COMMUNICATION</b>			
Humidity	5 ~ 95% RH (No condensing)		
Operating Temperature	0°C to 55°C		
Storage Temperature	-15°C to 60°C		

Specifications are subject to change without notice.

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