

## High Voltage MPPT Solar Charge Controller SCP Series

50A/60A/70A/80A/90A/100A 96V/120V/192V/216V/240V/384V



### Features

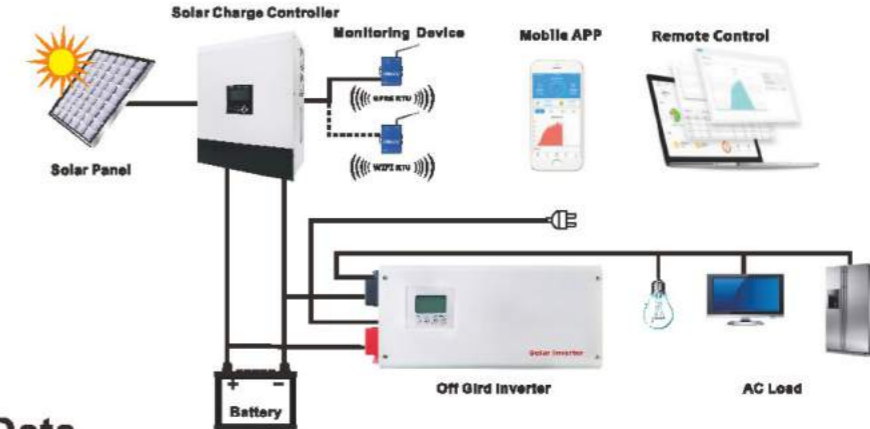
- Parallel design to expand the system capacity.
- Multi-stage charging optimizes battery performance
- MPPT efficiency >99.5%, Whole Machine conversion efficiency upto 98%;
- Compatible with Gel, AGM, Flooded, Sealed lead acid and Lithium battery
- Intelligent design, Simple operation, Comprehensive protection, Reliable system operation.
- Comfortable installation and commissioning
- Monitoring your solar harvest on line via RS-485 communication



### Application



### Application Diagram



### Technical Data

Model	System Voltage	Rated Output Current	Max. PV Input Power	PV Operating Voltage(VOC)
SCP-96V 50A	96V	50A	5.6KW	130-300Vdc
SCP-96V 80A	96V	80A	9.2KW	130-430Vdc
SCP-96V 100A	96V	100A	11.5KW	130-430Vdc
SCP-120V 50A	120V	50A	7.2KW	150-430Vdc
SCP-192V 50A	192V	50A	11.5KW	260-430Vdc
SCP-192V 60A	192V	60A	14KW	260-430Vdc
SCP-216V 50A	216V/220V	50A	13KW	260-430Vdc
SCP-216V 60A	216V/220V	60A	16KW	260-430Vdc
SCP-240V 50A	240V	50A	15KW	350-660Vdc
SCP-240V 60A	240V	60A	17KW	350-660Vdc
SCP-240V 70A	240V	70A	20KW	350-660Vdc
SCP-240V 80A	240V	80A	23KW	350-660Vdc
SCP-384V 60A	384V	60A	28KW	520-850Vdc
SCP-384V 80A	384V	80A	37KW	520-850Vdc

Battery Charging	
Battery Type	Sealed Gel/AGM Flooded Lithium
Charge Algorithm	4 stage: Bulk, Absorption, Float, Equalize charging
Bulk Charge Voltage	Sealed: 14.4V AGM 14.2V Gel:14.2V Flooded:14.6V User defined:10-15V
Float Charge Voltage	Sealed/Gel/AGM:13.8V Flooded:13.7V User defined:10-15V
Equalize Charge Voltage	Sealed 14.6V AGM:14.8V Flooded:14.9V
Load Disconnect Voltage	10.5V~12V Adjustable
Load reconnect voltage	12.5V
Temperature Compensation	5mV/°C/2V with BTS
Communication	
Communication Port	RS485, WIFI GPRS Module
Physical	
Dimension(mm)	420*350*170
Package Dimension	520*450*270
Net Weight	15kg
Cooling	Fan cooling
Enclosure	IP 21
Environment	
Ambient Operating Temperature	-25°C~60°C
Storage Temperature	-40°C~80°C
Humidity	5%-95% non-condensing
Warranty	Two years

※Technical data for 12V system at 25°C. 12\*N for other system Voltage ( N represents Number of 12V battery in series )