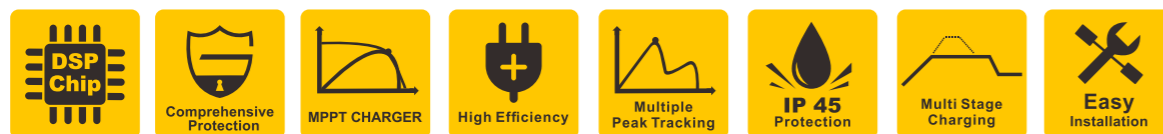


MPPT Solar Charge Controller SCH Series 20A/30A 12V/24V



Features

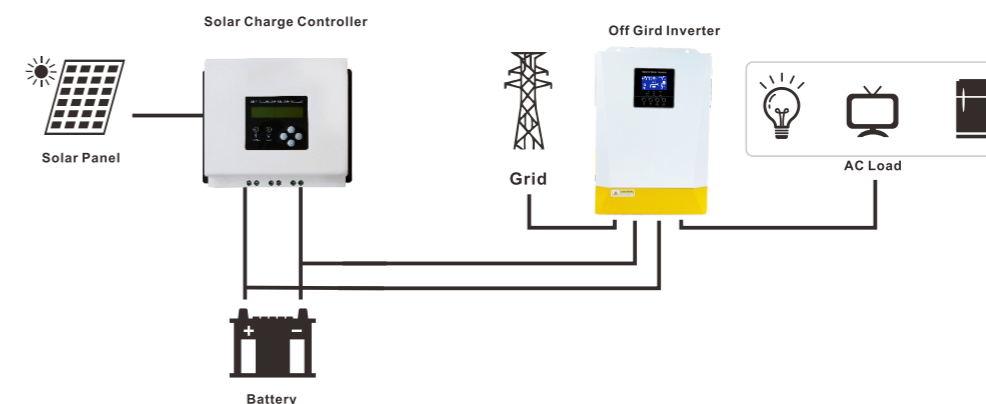
- 12V/24V Auto work, parallel design
- Multi-stage charging optimizes battery performance
- MPPT efficiency >99.5%, Peak conversion efficiency 97.5%
- Wide range Solar PV voltage input 18V~100Vdc
- Compatible with Gel, AGM, Flooded, Sealed lead acid and Lithium battery
- Multi-function LCD+LED display, system information intuitively
- Comprehensive protection
- Excellent heatsink cooling design, quiet operation
- Comfortable installation and commissioning



Applications



Application Diagram



Technical Data

MODEL	SCH-20A-L	SCH-30A-L	SCH-20A-EL	SCH-30A-EL
Solar System Voltage	12V/24V Auto work			
ELECTRICAL				
PV Operating Voltage	18-100Vdc@12V35-100Vdc@24V			
Max. PV Input Power	12V 300W	12V 400W	12V 300W	12V 400W
	24V 600W	24V 800W	24V 600W	24V 800W
Rated Output Current	20A	30A	20A	30A
Rated DC Load Current	30A			
Self Consumption	<2W			
Max. Conversion Efficiency	97.5%			
Protection	PV array short circuit, over charging, battery reverse polarity, output short circuit			
BATTERY CHARGING				
Battery Type	Sealed Gel/AGM Flooded Lithium Battery			
Charge Algorithm	3 stage: Bulk, Absorption, Float 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			
Load Disconnect Voltage	9V-12V Adjustable			
Load reconnect voltage	Disconnect voltage +2V			
Temperature Compensation	5mV/°C /2V with BTS			
PHYSICAL				
Net Weight	1.9kg		1.4kg	1.6kg
Gross Weight	2.2kg		1.8kg	1.9kg
Dimension(mm)	210*180*80		210*180*80	
Cooling	Heatsink cooling			
Enclosure	IP 21			
ENVIRONMENT				
Ambient operating temperature	-25°C~60°C			
Storage Temperature	-40°C~80°C			
Humidity	5%-95% non-condensing			

※Technical data for 12V system at 25°C, twice in 24V system rate.