

SC-20 MPPT ~ SC-40 MPPT

Solar Charger MPPT

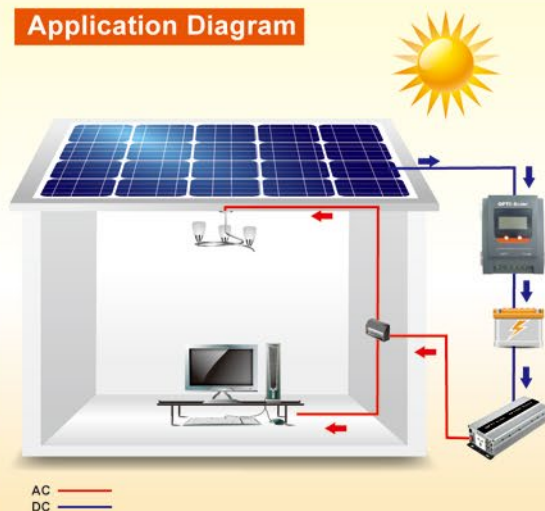
The SC-20 MPPT/ SC-30 MPPT/SC-40 MPPT Solar Charger Controller improves tracking efficiency up to 99.9%.

Features

- Innovative MPPT technology, tracking efficiency 99.9%, conversion efficiency up to 90%
- Real-time display the operation data and working status of the controller in digital, graphic and textual forms by a large LCD
- AGM, Liquid and Gel battery for the selection
- Two navigation buttons, easy to implement various operation
- 12V/24V automatic recognition, temperature compensation, perfect EMC design
- Four stage charge way: MPPT, boost, equalization, float
- Full automatic electronic protect function



Application Diagram



Specifications

Model name	SC-20MPPT	SC-30MPPT	SC-40MPPT	SC-40MPPT
System voltage	12V/24V automatic recognition			24V/48V automatic recognition
Max solar current or load current	20A	30A	40A(charging)/30A(output)	40A(charging)/30A(output)
Max MPPT efficiency	>99.9%			
Max PV input power	260/520W	390/780W	520/1040W	1000/2000W
Float voltage	13.7V/27.4V(25°C)			27.4V/54.8V(25°C)
Boost voltage	14.5V/29.0V(25°C)			29.0V/58.0V(25°C)
Equal voltage	14.8V/29.6V(25°C) (Liquid,AGM)			29.6V/59.2V(25°C) (Liquid,AGM)
Day/Night threshold	8.0V/16.0V			16.0V/32.0V
Load disconnect voltage	10.8~11.8V/21.6~23.6V			21.6~23.6V/43.2~47.2V
Load reconnect voltage	11.6~12.8V/23.2~25.6V			23.2~25.6V/46.4~51.2V
Battery type	Liquid, Gel, AGM, Lithium			
Work mode	Standard, D2D(DUSK to Dawn), Street lamp, User mode			
Temperature compensation	-4.17 mV / K per cell (Boost and Equal charge) -3.33 mV / K per cell (Float charge)			
Max solar voltage	100V	55V	95V	150V
Max battery voltage	40V	35V	35V	65V
Dimension	189×182×64mm	189×182×64mm	189×255×69mm	189×255×89mm
Weight	1.3Kg	1.5Kg	2.5Kg	2.5Kg
Max power consumption	8mA(12V);12mA(24V)	8mA(12V);12mA(24V)	8mA	8mA
Temp. Range during operation	-20°C ~ +55°C			
Storage temperature	-25°C ~ +80°C			
Ambient humidity	0%~100% RH			
Case protection	IP32			

Specifications are subject to change without notices.

