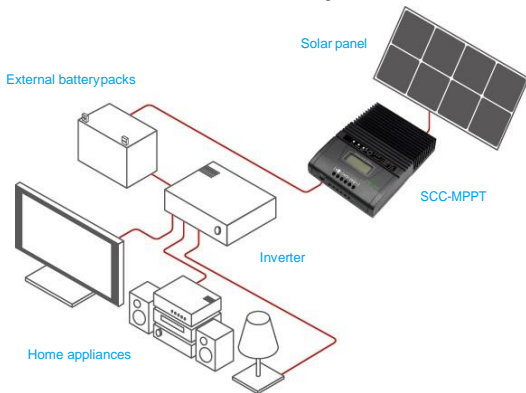


# MPPT Solar Charge Controller



- Intelligent Maximum Power Point Tracking technology
- Built-in DSP controller with high performance
- Automatic battery voltage detection (Only for 600W and 3KW)
- Battery temperature sensor (BTS) automatically provides temperature compensation (Only for 3KW)
- Three-stage charging optimizes battery performance
- Auto load-detection
- Multifunction LCD displays detailed information
- Reverse polarity protection for solar panel and battery
- Overcharge and overload protection
- Suitable for different battery types

## Standalone Solar Power System:



Combined MPPT technology and DSP controller, SCC-MPPT will convert best voltage to charge battery based on varied temperature. Compared to traditional solar charge controllers, it allows your solar panels to operate at their optimum power output voltage, providing higher efficiency up to 98% with lower power loss.

Integrated SCC-MPPT with inverter, solar panel, and external battery packs, it can become a standalone solar power system to generate green power for your home appliances. SCC-MPPT will convert solar power to charge external batteries and then provide power to home appliances via inverter

## MPPT Solar Charge Controller Selection Guide

MODEL	SCC-MPPT 300W	SCC-MPPT 600W	SCC-MPPT 850W	SCC-MPPT 3KW
<b>INPUT</b>				
MPPT Range @ Operating Voltage	15 VDC ~ 37 VDC	15 VDC ~ 33 VDC	30 VDC ~ 66 VDC	45 VDC ~ 88 VDC
Maximum PV Array Open Circuit Voltage	50 VDC	50 VDC	75 VDC	98VDC
Maximum PV Array Power	300 W	300 W	600 W	850 W
Maximum Current		18 A		17A
<b>OUTPUT</b>				
Nominal Battery Voltage	12 VDC	12 VDC	24 VDC	36 VDC
Connected Battery Type	Sealed lead acid, vented, Gel, NiCd battery			12 VDC   24 VDC   48 VDC
Maximum Charging Current	25 A		20A	60 A
Maximum Efficiency	98%			
Charging Method	Three stages: bulk, absorption, and floating			
<b>PROTECTION</b>				
Overload Protection	> 110% : audible alarm			
Overcharge Protection	Yes			
Polarity Reversal Protection @ Solar Cell & Battery	Yes			
<b>INDICATORS</b>				
LCD Panel	LCD panel indicating solar power, load level, battery voltage/capacity, charging current, and fault conditions			
LED Display	Three indicators for solar, charging, and load status			
<b>PHYSICAL</b>				
Dimension, D x W x H (mm)	135 x 170 x 57.5	220 x 170 x 57.5		315 x 165 x 128
Net Weight (Kgs)	0.92	1.85		4.5
Type of Mechanical Protection	IP 43			IP 31
<b>ENVIRONMENT</b>				
Humidity	0 ~ 100% RH (No condensing)			5 ~ 95% RH (No condensing)
Operating Temperature	-20°C to 55°C			0°C to 55°C
Storage Temperature	-40°C to 75°C			-15°C to 60°C
Altitude	0 ~ 3000 m			

Product specifications are subject to change without further notice

