



FEATURES:

- Intelligent Maximum Power point tracking technology
- Built-in DSPcontroller with high performance
- Automatic battery voltage detection
- Auto load-detection
- Multifunction LCD displays detailed information
- Reverse polarity protectionfor solar panel and battery
- Overcharge and overload protection
- IP 43 protection for outdoor and harsh environment
- Suitable for battery types of sealed lead acid, vented gel and NiCd

• Combined MPPT technology and DSP controller , SCC-MPPT will convert best voltage to charge battery based on varied temperature . Compared to traditional solar charge controller , it allows you 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 will become a standalone solar power system to generate green power for your home appliances . SCC-MPPT will convert solar power to charge external bat-teries and then provide power to home appliances via inverter .

MODEL	SCC-MPPT 300W	SCC-MPPT 600W
INPUT		
MPPT Range @ Operating Voltage	15 V - 33 V @ 12 V	30 V - 66 V @ 24 V
Maximum PV Array Open Circuit Voltage	50 V	75 V
Maximum PV Array Power	300 W	600 W
Maximum Current	18 A	
OUTPUT		
Nominal Battery Voltage	12 V	24 V
Connected Battery Type	Sealed lead acid, vented, Gel, NiCd battery Maximum	
Charging Current	25 A	
Maximum Efficiency	98%	
Standby Power Consumption	1 W	2 W
Charging Method	Three stages: bulk, absorption, and floating	
PROTECTION		
Overload Protection	> 110% : audible alarm	
Overcharge Protection	Yes	
Polarity Reversal Protection @ Solar Cell & Battery	Yes	
INDICATORS		
LCD Panel	LCD panel indicating solar power, load level, battery voltage/capacity, charging current,	
LED Display	Three indicators for solar, charging, and load status	
PHYSICAL		
Dimension, D x W x H (mm)	135 x 170 x 57.5	220 x 170 x 57.5
Net Weight (Kgs)	0.92 kg	1,85 kg
Connector	Input/Output terminal block	
Type of Mechanical Protection	IP 43	
ENVIRONMENT		
Humidity	0 - 100% RH (No condensing)	
Operating Temperature	(-)20°C to 55°C	
Storage Temperature	(-)40°C to 75°C	
Altitude	0 - 3000 m	

