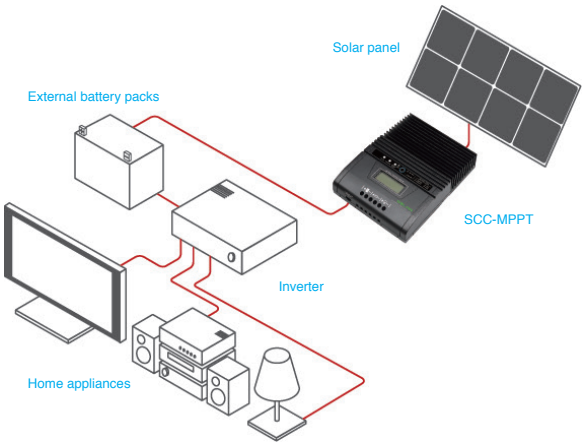
SCC-MPPT Solar Charge Controller

- Intelligent Maximum Power Point Tracking technology
- Built-in DSP controller with high performance
- Automatic battery voltage detection
- 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
- IP 43 protection for outdoor and harsh environment
- Suitable for battery types: sealed lead acid, vented, Gel, and NiCd

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 controller, 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 will 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.

SCC-MPPT Solar Charge Controller Selection Guide

MODEL	SCC-MPPT 300W	SCC-MPPT 600W
INPUT		
MPPT Range @ Operating Voltage	15 VDC~ 33 VDC	30 VDC ~ 66 VDC
Maximum PV Array Open Circuit Voltage	50 VDC	75 VDC
Maximum PV Array Power	300 W	600 W
Maxium 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, and fault conditions	
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	1.85
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	

Product specifications are subject to change without further notice

SCC-MPPT Solar Charge Controller

- Intelligent Maximum Power Point Tracking technology
- Built-in DSP controller with high performance
- Three-stage charging optimizes battery performance
- Multifunction LCD displays detailed information
- Reverse polarity protection for solar panel and battery
- Overcharge protection
- IP 21 protection
- Suitable for battery types of sealed lead acid, vented Gel, and NiCd

SCC-MPPT Solar Charge Controller Selection Guide

MODEL	SCC-MPPT 3KW
INPUT	
MPPT Range	60 VDC ~ 132 VDC
Maximum PV Array Open Circuit Voltage	150VDC
Maximum PV Array Power	3000W
OUTPUT	
Nominal Battery Voltage	48 V
Connected Battery Type	Sealed lead acid, vented, Gel, NiCd battery
Maximum Charging Current	60 A
Maximum Efficiency	97%
Standby Power Consumption	2W
Charging Method	Three stages: bulk, absorption, and floating
PROTECTION	
Overcharge Protection	Yes
Polarity Reversal Protection @ Solar Cell & battery	Yes
INDICATORS	
LCD Panel	LCD panel indicating solar power, charging status, battery voltage, charging current, and fault conditions
LED Display	Three indicators for solar, battery, and wiring fault
PHYSICAL	
Dimension, D X W X H (mm)	180 x 210 x 80
Net Weight (kgs)	1.28
Connector	Input/Output terminal block
Type of Mechanical Protection	IP 21
ENVIRONMENT	
Humidity	0 ~ 90% RH (No condensing)
Operating Temperature	-20°C to 55°C
Storage Temperature	-40°C to 75°C
Altitude	0 ~ 3000 m

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