

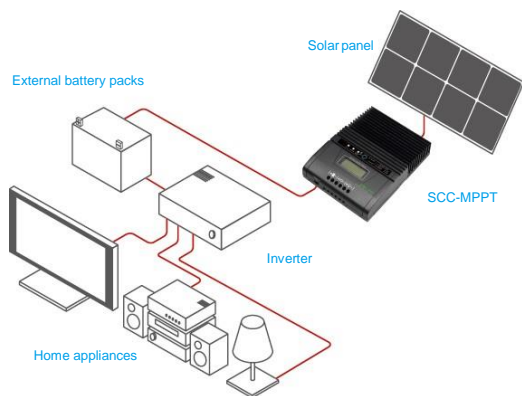
Gennex MPPT Solar Charge Controller



Gennex 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
- Automatic load-detection
- Multifunctional 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 various 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 3KW		
INPUT			
MPPT Range @ Operating Voltage	60 VDC ~ 115 VDC		
Maximum PV Array Open Circuit Voltage	145VDC		
Maximum PV Array Power	800W	1600W	3200W
Maximum Current	50 A		
NOMINAL BATTERY			
Nominal Battery Voltage	12 VDC	24 VDC	48 VDC
Connected Battery Type	Sealed lead acid, AGM or Gel		
Maximum Charging Current	60A		
Maximum Efficiency	98%		
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)	315 x 165 x 128		
Net Weight (Kgs)	4.5		
IP Protection	IP 31		
ENVIRONMENT			
Humidity	5~95%RH(Non-condensing)		
Operating Temperature	0°C to 55°C		
Storage Temperature	-15°C to 60°C		
Altitude	0 ~ 3000 m		

* Product specifications are subject to change without further notice.