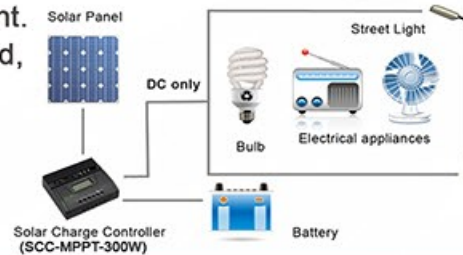


# Solar Charge Controller MPPT

## FEATURES

- Intelligent Maximum Power Point Tracking MPPT 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.



## Specifications

model	PT-SCC-MPPT-300W
<b>INPUT</b>	
MPPT Range @ Operating Voltage	15 V ~ 33 V @ 12 V
Maximum PV Array Open Circuit Voltage	50 V
Maximum PV Array Power	300 W
Maximum Current	18 A
<b>OUTPUT</b>	
Nominal Battery Voltage	12 V
Connected Battery Type	Sealed lead acid, vented, Gel, NiCd battery
Maximum Charging Current	25 A
Maximum Efficiency	98%
Standby Power Consumption	1 W
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	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
Net Weight (Kgs)	0.92
Connector	Input/Output terminal block
Type of Mechanical Protection	IP 43
<b>ENVIRONMENT</b>	
Humidity	0 ~ 100% RH (No condensing)
Operating Temperature	-20°C to 55°C
Storage Temperature	-40°C to 75°C
Altitude	0 ~ 3000 m