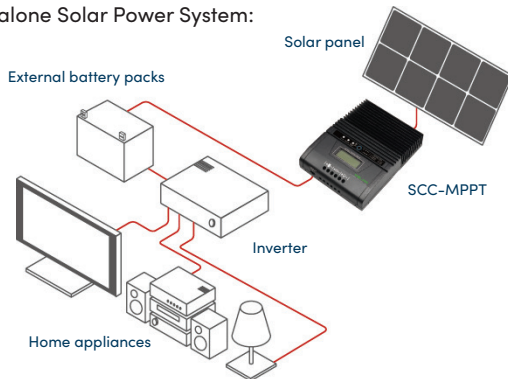


MPPT Series

- 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:



Specifications

MODEL	MPPT300	MPPT600	MPPT850	MPPT3000
INPUT				
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	50 A
OUTPUT				
Nominal Battery Voltage	12 VDC	12 VDC	24 VDC	36 VDC
Connected Battery Type	Sealed lead acid, vented, Gel, NiCd battery			Sealed lead acid, AGM or Gel
Maximum Charging Current		25 A	20A	60 A
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)	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
IP Protection	IP 43			IP 31
ENVIRONMENT				
Humidity	0 ~ 100% RH (Non-condensing)			5 ~ 95% RH (Non-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.