

ASC-MPPT 300W/600W/850W/3KW Solar Charge Controller

With advanced maximum-power-tracking technology, ASC-MPPT series ensures maximum performance from your solar array at all times and in all weather conditions.

Features:

- 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
- Three-stage charging optimizes battery performance
- Auto load-detection
- Multifunction LCD displays detailed information
- Reverse polarity protection of 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



Specifications

Model	ASC-MPPT 300		ASC-MPPT 600		ASC-MPPT-850	ASC-MPPT-3000			
INPUT									
MPPT Range @ Operating Voltage	15 VDC ~ 37 VDC		15 VDC ~ 33 VDC		30 VDC ~ 66 VDC	45 VDC ~ 88 VDC			60 VDC ~ 115 VDC
Maximum PV Array Open Circuit Voltage	50 VDC		50 VDC		75 VDC	98 VDC			145 VDC
Maximum PV Array Power	300 W		300 W		600 W	850 W			800 W 1600 W 3200 W
Maximum Current	18 A				17 A	50 A			
OUTPUT									
Nominal Battery Voltage	12 VDC		12 VDC		24 VDC	36 VDC			12 VDC 24 VDC 48 VDC
Connected Battery Type	Sealed lead acid, vented, Gel, NiCd battery						Sealed lead acid, AGM or Gel		
Maximum Charging Current	25 A				20 A	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 Display	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			
Type of Mechanical Protection	IP 43								
ENVIRONMENT									
Humidity	0 ~ 100% RH (No condensing)					9 ~ 95% RH (No 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.