

# MPPT

## Solar Charger Controller



### • Features

- Intelligent Maximum Power Point Tracking technology increases efficiency 25%~30%.
- Compatible for PV systems in 12V,24V or 48V.
- Three-stage charging optimizes battery performance.
- Maximum charging current up to 60A.
- Maximum efficiency up to 98%.
- Battery temperature sensor (BTS) automatically provides temperature compensation.
- Automatic battery voltage detection.
- Support wide range of lead-acid batteries including wet, AGM and gel batteries.

### • Technical Parameter

MPPT Solar Charger&Discharge Controller				
MODEL	3KW	Charging Set points	Absorption Stage	Float Stage
Nominal System Voltage	12, 24, or 48 VDC (Auto detection)	Flooded Battery	14.6 / 29.2 / 58.4Vdc	13.5 / 27 / 54Vdc
Maximum Battery Current	60 Amps	AGM/Gel Battery (Default)	14.1 / 28.2 / 56.4Vdc	13.5 / 27 / 54Vdc
Maximum Solar Input Voltage	145Vdc	Over-charging voltage	15Vdc / 30Vdc / 60Vdc	
PV Array MPPT Voltage Range	(Bat. Voltage+5)~115Vdc	Overcharging comeback voltage	14.5Vdc / 29Vdc/ 58Vdc	
Maximum Input Power	12 Volt--800 Watts 24 Volt--1600 Watts 48 Volt--3200 Watts	Battery defect voltage	8.5Vdc/ 17Vdc/ 34Vdc	
Transient Surge Protection	4500 Watts / port	Battery defect comeback voltage	9Vdc / 18Vdc / 36Vdc	
Temperature compensation coefficient	"Volt-5 mV/°C/ cell (25 °C ref.)"	Mechanical and Environment	Product size (W*H*D mm)	322*173*118
Temperature compensation	0°C to +50°C	Product weight(Kg)	4.8	
Charging stages	Bulk,Absorption,Float	Enclosure	IP31 (indoor & vented)	