



MPPT Solar Charge Controller



- **Maximum Power Point Tracker Technology**
- **30 Amp Rated Current**
- **12/24V Support**
- **Up to 75V Solar Input**
- **98% Maximum Conversion Efficiency**
- **LiFePO4 Battery Support**
- **Programmable Load Working Modes**
- **Multiple Protection Functions**
- **TVS Surge Protection**
- **LCD Display**



MPPT Solar Charge Controller

Product Specifications	
Model	PS45-5
System voltage	12V/24V DC auto
Working voltage range	8-32V
Max PV open circuit voltage	75V (Min. working temperature) 70V@25°C
MPP voltage range	Battery voltage +2V
Discharge circuit voltage drop	≤0.25V
Self-consumption	<23mA
Rated charge current	30A
Rated discharge current	30A
Max PV input power	12V 390W / 24V 780W
Grounding	Common positive
Battery type support	SLA/Gel/Flooded/Lithium
LVD	11.0V ADJ 9V...12V; x2/24V; x4/48V
LVR	13.8V ADJ 13V. 15V; x2/24V; x4/48V
Float voltage	14.4V ADJ 13V... 17V; x2/24V ; x4/48V
Boost voltage	16.5V; x2/24V ; x4/48V; battery voltage less than 12.6v auto boost 2 hours
Battery over voltage protection	16.5V ; x2/24V; x4/48V
USB output	5VDC/2A 2PCS
Temperature consumption	12V:-24mV /°C ; x2/24V; x4/48V
Working temperature	-20°C~+50°C
Relative humidity	≤95%, N.C.
Ingress protection	IP32
Cooling	Natural convection cooling/heat sink
Size (L X W X H) mm	205 X 157 x 53
Mounting hole size	4mm
Weight	1.2kg

