



MPPT Solar Charge Controller

The maximum power point is mainly affected by the ambient temperature and the intensity of sunshine. This MPPT solar controller can intelligently regulate the working voltage of solar panels, letting the solar panels always work at Maximum Power Point of V-A curve. Compared with ordinary solar controller, this MPPT controller can increase the efficiency of PV modules by about 30%. However, due to many different factors, such as the difference in solar panel making, the change the Sun illuminance, change in temperature, the efficiency of the controller etc., the actually available increased rate is 10%-30%.

PRODUCT FEATURES: ■

- Applicable to various types of batteries, ◆
- MPPT function ◆
- Maximum Power Point Tracking makes efficiency up to 99.9% ◆
- Temperature sensor the battery charging compensation ◆
- Overload protection (automatic restoration) ◆
- Overcharge protection ◆
- Thunder protection ◆
- Reverse discharge protection ◆
- Reverse polarity connection protection (automatic restoration) ◆
- Under voltage protection ◆

■ SPECIFICATIONS

Model	MPPT 2470D	MPPT24 80D
Rated Voltage	24V	
Max charge current	70A	80A
MPPT efficiency	≥99%	
PV over vltager protection	90V	
Input voltage range	30V~90V	
Full charge cut	27.6V	
constant volatge	28.8V	
Low voltage cut	21V~22V	
Over voltage protection	34V	
Temperature compensation	-3mv/°C /cell	
No load loss	≤30mA	
Max cross section	16mm ²	
Ambient temperature	-25°C——+55°C	
Weight	2660g	
Size	295×175×95mm	