



## MPPT Solar Charge Controller

Maximum Power Point Tracking (MPPT in short) system is a system which allows PV panels to outputs more Power by adjusting working condition of the electrical module. the ordinary controller, which makes PV battery work on 12V ,only outputs power of 53W (a general power point); MPPT controller makes PV battery always work at the maximum power point, thus outputs power of 75W (the maximum power point).

### 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 ◆
- Short circuit protection (automatic restoration), ◆
- Thunder protection ◆
- Reverse discharge protection ◆
- Reverse polarity connection protection (automatic restoration) ◆
- Under voltage protection ◆

### ■ SPECIFICATIONS

Model	MPPT2440D	MPPT2450D	MPPT2460D
Rated Voltage	24V		
Max charge current	40A	50A	60A
MPPT efficiency	≥99%		
PV over ovltager 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	16 mm <sup>2</sup>		
Ambient temperature	-25°C——+55°C		
Weight	2220g		
Size	240×175×95mm		