

MPPT Solar Charge Controller

MPPT太阳能控制器

MPPT20-150~MPPT60-150



- Advanced MPPT technology, with efficiency no less than 99.5%
- 12V/24V/36V/48V system Automatic Recognition, users can use it in different system conveniently
- Excellent performance at sunrise and low solar insolation levels
- Intelligent battery management to improve battery life
- Real-time energy statistics function
- With RS485 communication interface
- 先进的MPPT技术，效率不低于99.5%
- 12V/24V/36V/48V系统自动识别，方便用户用于不同的系统
- 在日出和低光照下的卓越性能
- 智能电池管理可延长电池寿命
- 实时能量统计功能
- 带RS485通讯接口,可提供通讯协议,方便客户统一集成管理

Technical Specifications 技术参数

SunSmart Charge Controller	MPPT20-150	MPPT30-150	MPPT40-150	MPPT50-150	MPPT60-150
Peak efficiency	≥98%				
System Voltage	12Vdc/24Vdc/36Vdc/48Vdc(Automatic)				
Size, D X W X H (mm)	289x204x101			306x210x120	
Net Weight (Kgs)	2.40			2.60	
PV Input(DC)					
Max. PV Input Open Circuit Voltage(Voc)	150Vdc				
12Vdc	260W	390W	520W	650W	780W
Nominal PV Input Power	520W	780W	1040W	1300W	1560W
24Vdc	780W	1170W	1560W	1950W	2340W
36Vdc	1040W	1560W	2080W	2600W	3120W
48Vdc					
Battery					
Nominal Battery Voltage	12Vdc/24Vdc/36Vdc/48Vdc(Automatic)				
12Vdc	9Vdc-15Vdc				
Battery Voltage Range	18Vdc-30Vdc				
24Vdc	32Vdc-40Vdc				
36Vdc	42Vdc-60Vdc				
48Vdc					
Rated Charging Current	20A	30A	40A	50A	60A
Battery Type	Flooded, Sealed Lead Acid, Gel(Default) <Other type batteries can be defined>				
Charge Method	3-Stage Charging: Bulk, Absorption, Float				
Temperature Compensation Coefficient	-3 mV / °C / Cell(25°C [77°F]Ref.)				
Charging Set-Points	Absorption, Float				
Protection					
Solar Input	Overload, short-circuit, low voltage, high voltage warning, reverse polarity, high temperature, nighttime reverse current				
Load Output	Overload, short-circuit, reverse polarity, high temperature				
Battery	Reverse polarity				
Interface					
Data & Communications	RS485				
General Data					
Cooling Method	Fan				
Display	LCD Display				
Language	English, Chinese				
Max. DC Load Current	40A				
Self-Consumption	1.75W - 2.5W				
Environment					
Protection Grade	Ip25				
Operating Temperature	-30°C to +60°C				
Storage Temperature	-40°C to +80°C				
Altitude	Up to 3000m				
Humidity	0~95%, no condensation				

* Remarks: Products specifications are subject to change without notice.