



Features

- Maximum power point tracking technology, tracking efficiency more than 99.5%.
- High-quality components, max conversion efficiency up to 98%, full load efficiency can reach 97%.
- Multi-step rectification technology can also achieve high conversion efficiency in a low-power charging environment.
- Ultra-fast maximum power point tracking speed, while ensuring the tracking efficiency.
- Accurate identification and tracking of the maximum power point of multiple peaks.
- Sealing, colloidal, open type, and user custom battery charging programs are optional.
- With the function of current power calculation and real-time power statistics and record.
- Use the standard Modbus communication protocols based on RS-232, RS-485 and CAN communication bus to maximize and meet the communication needs of different occasions.
- Has the function of storage system operation data record and random event recording.
- Various load control methods: pure light control, light control start + delay close, timing control, manual switch.
- Support PC monitoring to realize real-time data viewing and parameter setting functions.
- Support the software upgrade function.
- It has multiple protection functions such as photovoltaic array short circuit, overcurrent, polar backconnection protection, battery overdischarge, overpressure, polar backconnection, super temperature protection, load overload, short circuit protection and control overtemperature protection.

Specifications

Model	DMP45	DMP60
Rated system voltage	12V/24V/36V/48V automatic identification	
Rated charge and discharge current	45A	60A
Operating voltage range at the battery end	8~68VDC	
Maximum PV open-circuit voltage	150VDC (Minimum ambient temperature) , 138V(25℃)	

*Note: The Specifications are subject to changes without notice.

Specifications

Operating voltage range of the maximum power point	Battery voltage+2V~108VDC	
Maximum PV input power	12V 600W 24V 1200W 36V 1800W 48V 2400W	12V 800W 24V 1600W 36V 2400W 48V 3200W
Balanced voltage	Sealing: 14.6V, opening: 14.8V, custom: 9~17V	
Booster tension	Colloid: 14.2V, seal: 14.4V, opening: 14.6V, custom: 9~17V	
Floating charge voltage	Colloidal / seal / opening: 13.8V, custom: 9~17V	
Low voltage is disconnected from the recovery voltage	Colloidal / seal / opening: 12.6V, custom: 9~17V	
Low voltage disconnect voltage	Colloidal / seal / opening: 11.1V, custom: 9~17V	
Static loss	1.4~2.6W	
Grounding type	Negative pole grounding	
Temperature compensation	-3mV/°C/2V	
Levels of protection	IP20	
Operating ambient temperature	-25°C~+50°C	
Net weight (Kg)	4.6	5.9
Outline dimension (mm)	382*231*107	440*231*110

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