

MPPT Solar charge controller



1. Design for off-grid solar power system.
2. Applicable to different kinds of batteries.
3. Adopts MPPT technology (Maximum Power Point Tracking). The advanced tracking algorithm make the solar module operate at ideal voltage which the solar modules can produce the maximum available power.
4. Modular design with simple structure and easy maintenance.
5. Automatic power control function.
6. LCD display: Solar panel current, solar panel voltage, solar panel power, battery group voltage, charge current.
7. Perfect protection function: Solar reverse charge protection, Solar reverse connection protection, Battery reverse connection protection, Battery overcharge protection, Battery over current protection etc ,thus the system has higher reliability.



384V 30A-50A-60A-80A-100A



384V 150A-200A-250A

384V 30A-50A-60A-80A MPPT Solar Charge Controller Data Sheet

Model	384V30A	384V50A	384A60A	384V80A
Battery group rated voltage	384V	384V	384V	384V
PV Max. input (open circuit) voltage	750V	750V	750V	750V
PV Rated current	30A	50A	60A	80A
PV Max. power	11.5KW	19.2KW	23KW	30.72KW
Optimum. PV Array Vmp	576Vdc, a little more or less is acceptable			
Input PV module road number	1	1	1	2
Function	MPPT auto stop charge, auto recharge voltage; Protection: connecting contrary, over current, short circuit, over heat etc.			
Display mode	LCD			
Display content	solar panel voltage, solar panel current, solar panel power, battery voltage, charge current			
Floating Charge Voltage (adjustable)	442V	442V	442V	442V
Stop charge voltage	464V±1%	464V±1%	464V±1%	464V±1%
Recharge voltage	432V±1%	432V±1%	432V±1%	432V±1%
Voltage drop between PV and battery	1.5V			
Max itself power consumption	100mA-150mA			
Work environment temperature	-30-60°C			
Relative humidity	< 90% No condensation			
Applicable altitude	< 3000m			
Noise (1m)	< 40dB			
Degree of protection	IP20 (Indoor)			
Cooling method	Forced air cooling			
*Communication interface (optional)	RS485/USB/GPRS/Ethernet			
*Temperature compensation(optional)	-4mv/°C/2V, -35°C~+80°C, Accuracy:±1°C			
Product size	520*430*200	520*430*200	760*600*180	760*600*180
Weight	10	10	28	28

***Above parameter only for reference. Could be custom made to user specifications.**

384V 100A-150A-200A-250A MPPT Solar Charge Controller Data Sheet

Model	384V100A	384V150A	384A200A	384V250A
Battery group rated voltage	384V	384V	384V	384V
PV Max. input (open circuit) voltage	750V	750V	750V	750V
PV Rated current	100A	150A	200A	250A
PV Max. power	38.4KW	57.6KW	76.8KW	96KW
Optimum. PV Array Vmp	576Vdc, a little more or less is acceptable			
Input PV module road number	2	3	4	5
Function	MPPT auto stop charge, auto recharge voltage; Protection: connecting contrary, over current, short circuit, over heat etc.			
Display mode	LCD			
Display content	solar panel voltage, solar panel current, solar panel power, battery voltage, charge current			
Floating Charge Voltage (adjustable)	442V	442V	442V	442V
Stop charge voltage	464V±1%	464V±1%	464V±1%	464V±1%
Recharge voltage	432V±1%	432V±1%	432V±1%	432V±1%
Voltage drop between PV and battery	1.5V			
Max itself power consumption	100mA-150mA			
Work environment temperature	-30-60°C			
Relative humidity	< 90% No condensation			
Applicable altitude	< 3000m			
Noise (1m)	< 40dB			
Degree of protection	IP20 (Indoor)			
Cooling method	Forced air cooling			
*Communication interface (optional)	RS485/USB/GPRS/Ethernet			
*Temperature compensation(optional)	-4mv/°C/2V, -35°C~+80°C, Accuracy:±1°C			
Product size	585*585*980	585*585*980	690*590*1300	690*590*1300
Weight	65	65	120	120

***Above parameter only for reference. Could be custom made to user specifications.**

Contact:

Jinan Deming Power Equipment Co., Ltd

Tel: 0086-531-85662275 Fax: 0086-531-85662088 M: 008615168886891

Website: www.demingpower.cn www.demingpower.en.alibaba.com

E-mail: katherinezhang@demingpower.com.cn

Skype: demingpower@gmail.com

Wechat: delicate1688

WhatsAPP: 008615168886891

QQ: 2723638539