



Description of Functions

1. Advanced Maximum power point tracking (MPPT) technology, with efficiency no less than 99.5%
2. Reliable automatic limit function of maximum PV input power, ensuring no overload under any circumstance
3. Wide MPP operating voltage range
4. 12/24VDC automatically indentifying system voltage or user-defined working voltage
5. Multiple load control modes: manual control, light ON/OFF, light ON+ Timer off, time control
6. Support 4 charging options: sealed,Gel,Flooded , lithium battery
7. Battery temperature compersation fuction
8. With RS-485 communication bus interface
9. LCD indicators showing system stats, simple and clear

Technical Date

MODEL	MPPT10A	MPPT20A
Nominal system voltage	12V/24V Auto	
Rated charge current	10A	20A
Rated discharge current	10A	20A
Battery voltage range	9-32V	
Max. PV Voc	100V	
Max. PV input power	130W(12V) 260W(24V)	260W(12V) 520W(24V)
Boost voltage	Sealed: 14.4V , GEL: 14.2V , Flooded: 14.6V, LiFeP04: 14.6V	
Equalization voltage	Sealed: 14.6V , Flooded: 14.8V	
Float voltage	13.8V	
Recharge voltage	13.2V	
Temperature compensation	-3mv/°C/2V	
Low-voltage disconnect	11V	
Load reconnect voltage	12.6V	
Charge control mode	MPPT	
communication	RJ45	
Weight	1.1kg	

parameters is in 12V system at 25°C, please use double value in 24V