MS Series 100A

MPPT Solar Controller MS Series 100A

MS Series 100A (192VDC / 384VDC)

Key Features:

- MPPT Technology, >99.5% efficient
- Configure high-performance IGBT power modules
- Employing a four-stage charging mode (buck charging, equalization charging, float charging, and termination charging)
- The solar controller uses high performance 32-bit chips which is excellent EMC design
- The controller also has temperature compensation function and RTC real time clock function,
- Standard Modbus protocol for RS-485 communication
- User can control the charging of controller through RS485 or dry contact

Shenzhen UPSEN Electronic CO.,Ltd.
www.upsen.net

Technical Specification:

Model	MS 100A - 192VDC	MS 100A - 384VDC	
Rated system voltage	192V	384V	
Max. charging current	100A	100A	
Max. input solar power	19.2KW	38.4KW	
Max. input voltage	400V	800V	
MPPT Starting voltage	1.1 times of battery real voltage	1.1 times of battery real voltage	
Max. tracking efficiency	>99%	>99%	
Max. conversion efficiency	>98%	>98%	
Over voltage disconnect	240.0V	480.0V	These parameters can be adjusted according to demands of different type battery
Over voltage reconnect / End charging	235.2V	470.4V	
Equalize charging voltage	225.6V	451.2V	
Float charging voltage	220.8V	441.6V	
Recovery to fast charging	211.2V	422.4V	
Under voltage reconnect	201.6V	403.2V	
Under voltage disconnect	168.0V	336.0V	
Equalize charging time	120 minutes	120 minutes	
Constant-current charging	≤100A	≤100A	
Display	Colorful LCD screen + Touching keys		
Display language	English		
Terminal type	TC series barrier terminal		
Elevation	≤2000M, should reduce power if the elevation high than 3000M		
Storage temperature	-25°C ~ +55°C		
Cooling method	Intelligent fan cooling		
IP (Ingress protection)	IP32		
Communication	RS485 With standard MODBUS RTU Protocol		
Dimension	500*384*228mm		
Net weight	27KG		
*Product Specifications are Subject to Change Without Notice.			