

MPC100A#12-48VPVT



Features:

- >> Three-stage smart charging
- >> Adjustable parameters by pressing buttons
- >> 12V/24V/48V adaptive
- >> Wall mounting

Technical Specifications

Model		MPC-100A#12-48VPVT	
System voltage		12V/24V/36V/48V(Adaptive)	
Nominal current		100A	
Charging mode		MPPT maximum power point tracking	
Applicable battery type		Sealed lead acid battery, GEL lead acid battery, open lead acid battery (can also customize parameters for other types of battery charging)	
Charging method		Three stages: constant current, constant voltage, floating charge	
PV input maximum open circuit voltage		DC150V	
Starting time		≤10s	
Dynamic response recovery time		≤500us	
Static power		≤1.2W	
Overall efficiency		≥99.5%	
System identified voltage	12V	9~16V	
	24V	18~32V	
	48V	34~64V	
Photovoltaic input voltage	12V	18~145V	
	24V	30~145V	
	48V	54~145V	
Solar panel rated input power	12V	1300W	
	24V	2600W	
	48V	5200W	
Load voltage		Same as the battery voltage	
Nominal load current		100A	
Load control method		Normally on&off mode	
Load undervoltage protection		10.5V*N (N stands for batteries number) Parameters can be adjustable	
Display		HD LCD backlight display	
Protections		Input and output over-voltage protection, input and output anti-reverse protection, over-temperature protection, load over-current protection	
Working temperature		-20°C~+50°C	
Storage temperature		-40°C~+70°C	
Acoustic Noise(db)		≤50dB	
Humidity		0~90%RH	
Working altitude		0~3000M	
Dimension, L×W×H		275*348*109mm	
Net Weight (KG)		5.2KG	

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