

Model		MP2-20	MP2-30	MP2-40	MP2-50	MP2-60
Charging mode		MPPT automatic maximum power point tracking				
Charging method		Three stages: Constant current charging(MPPT), Equalizing charging, float charging				
System Type		DC 12V/24V/36V/48V, automatic recognition / manual setting				
Voltage recognition range		9-15VDC (12V) / 18-30VDC (24V) / 27-45VDC (36V) / 36-60VDC (48V)				
Static power consumption		≤2W				
Overall transfer efficiency		≥96.5%, ≤99%				
PV module utilization		≤99.76%				
Input	Working voltage range	18-100VDC (12V) / 34-100VDC (24V) / 49-100VDC (36V) / 65-150VDC (48V)				
	Low voltage input protection	≤16VDC (12V) / ≤30VDC (24V) / ≤45VDC (36V) / ≤60VDC (48V)				
	Low voltage input resumption	≥18VDC (12V) / ≥34VDC (24V) / ≥49VDC (36V) / ≥65VDC (48V)				
	High voltage input protection	≥160VDC (12V / 24V / 36V / 48V)				
	High voltage input resumption	≤145VDC (12V / 24V / 36V / 48V)				
	Maximum input voltage	160VDC (12V / 24V / 36V / 48V)				
Output	Rated current	20A	30A	40A	50A	60A
	Current-limiting protection	22A	32A	42A	52A	62A
	Temperature coefficient	±0.02%/℃ (12V / 24V / 36V / 48V)				
	Auto temperature compensation	14.2V - (Max. Temperature - 25℃) * 0.3				
	Output voltage stability accuracy	≤±1.5%				
Protection	Low & high battery protection	Have high and low voltage protection				
	High temperature	90℃, decrease power output when ≥85℃				
	Short circuit protection	Available for long time, self-recovery after removing the short-circuit fault				
	other protection	over charge, over discharge, over load, reverse connect				
Other	Display	LCD intelligent display with function buttons				
	Optional battery type	Maintenance-free lead acid battery(default), colloidal battery, liquid battery, lithium battery, others are available by customizing				
	Cooling system	Intelligent fan by forced air cooling, fan speed is adjusted by real temperature				
	Communication	RS-485/RS-232/USB/SNMP (additional option)				
Environment	Working temperature	-40~+70℃				
	Humidity	<90%RH (No condensation)				
	Atmospheric pressure	70~106kPa				
Appearance	Product size (mm)	265*194*100mm			295*224*100mm	

*Product specifications are subject to change without further notice