

The MPPT controller

Product features

- Intelligent maximum power point tracking technology
- DSP chip control, high precision, high efficiency
- PV wide voltage range input
- Three-stage charging technology
- Photovoltaic/battery anti-anti protection/
short circuit protection/overcurrent protection
- 7-inch touch screen system (high power)



Technical parameters

Model	LVC30A	LVC40A	LVC50A	LVC60A	LVC80A	LVC100A	LVC120A	MVC50A	MVC60A	MVC80A	MVC100A	HVC220V50A	HVC360V50A	HVC220V100A	HVC360V100A	
Rated charge current	30A	40A	50A	60A	80A	100A	120A	50A	60A	80A	100A	50A	50A	100A	100A	
System Voltage	24V /48V							96V				220V	360V	220V	360V	
Solar input	Input voltage	24V:33~80VDC; 48V: 65-150VDC							145-230VDC				260-400VDC	430-600VDC	260-400VDC	430-600VDC
	Maximum open-circuit voltage	150VDC							230VDC				400VDC	600VDC	400VDC	600VDC
	MPPT voltage tracking range	24V:33-80VDC;48V:65-150VDC							145-230VDC				260-400VDC	430-600VDC	260-400VDC	430-600VDC
	Maximum current	30A	40A	50A	60A	80A	100A	120A	50A	60A	80A	100A	50A	50A	100A	100A
power	24V: 750w 48V: 1.5kw	24V:1kw 48V:2kw	24V:1.25kw 48V:2.5kw	24V:1.5kw 48V:3kw	24V:2kw 48V:4kw	24V:2.5kw 48V:5kw	24V:3kw 48V:6kw	5kW	6kW	8kW	10kW	10kW	20kW	20kW	40kW	
Charge output	Maximum current	31A	41A	51A	61A	82A	102A	122A	51A	61A	82A	102A	51A	51A	102A	102A
	Voltage of floating charge	24V:28.8CDV ; 48V:57.6VDC							115.2VDC				255VDC	426VDC	255VDC	426VDC
	Voltage of overcharge	24V:29CDV ; 48V:58VDC							116VDC				270VDC	435VDC	270VDC	435VDC
Display	LCD+LED							LCD+LED								
Efficiency	≥96%							≥96%								
Cooling method	Air-cooled							Air-cooled								
Humidity	Relative humidity:5%-95%(no condensation)							Relative humidity:5%-95%(no condensation)								
Operating temperature	0°C-55°C							0°C-55°C								
Dimensions : D x W x H (mm)	200*310*110mm				336*365*100mm			220*380*105mm	390*400*105mm		376*490*115mm		370*840*555mm			
Weight (kg)	3	3.5		5.5			4.5	7.7		12.5		50				