

MPS-VIII SERIES

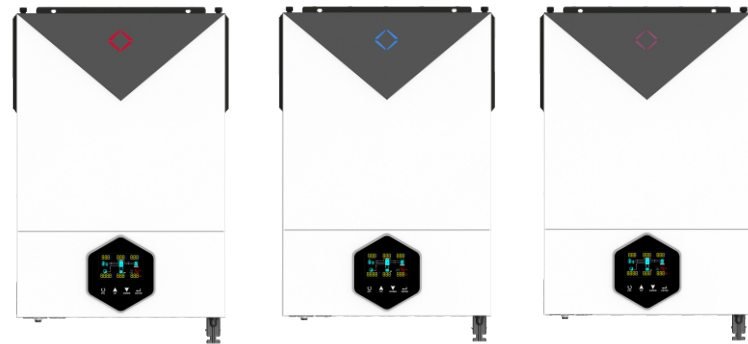
Hybrid Solar Inverter



Features

- Pure sine wave solar inverter(on/off grid)
- Output power factor 1.0
- WIFI&GPRS available for IOS and android
- Inverter running without battery
- One-click restoration to factory settings
- Built-in lithium battery automatic activation
- Built-in 120A (for 3.6KW/6.2KW) 140A(for 4.2KW)
- MPPT:Max 6200W(for 3.6KW/4.2KW),max 6500W(for 6.2KW) solar charge
- High PV input voltage range(90~500VDC)
- Built-in anti-dusk kit for harsh environment
- Smart battery charge design to optimize battery life
- Dual output(V2.0)

RGB lighting for different working mode



Red-Battery Mode

Blue-Utility Mode

Purple-PV Mode

- RGB automatically switches with the working mode of the inverter:
Battery mode: red;
Utility mode: blue;
PV mode: purple

- off grid
- on grid
- hybrid
- input load

Overview



LCD DISPLAY



WIFI-APP

Product Data Sheet

MODEL	MPS-VIII 3600W	MPS-VIII 4200W	MPS-VIII 6200W
Phase	1-phase		
Maximum PV Input Power	6200W	6200W	6500W
Rated Output Power	3600W	4200W	6200W
Maximum Solar Charging	120A	140A	120A
GRID-TIE OPERATION			
PV Input(DC)			
Nominal DC Voltage/Maximum DC Voltage	360VDC/500VDC		
Start-up Voltage/Initial Feeding Voltage	90VDC/120VDC		
MPPT Voltage Range	90VDC~450VDC		
Maximum DC Voltage	500VDC		
GRID OUTPUT(AC)			
Nominal Output Voltage	220/230/240VAC		
Output Voltage Range	195.5~253VAC		
Nominal Output Current	15.7A	18.2A	26.1A
Power Factor	>0.99		
Feed-in Grid Frequency Range	49~51±1Hz		
EFFICIENCY			
Maximum Conversion Efficiency(DC/AC)	97%		
TWO LOAD OUTPUT POWER(V2.0)			
Full Load	3600W	4200W	6200W
Maximum Main Load	3600W	4200W	6200W
Maximum Second Load(Battery mode)	1200W	1400W	2067W
Main Load Cut Off Voltage	22VDC	22VDC	44VDC
Main Load Return Voltage	24VDC	24VDC	48VDC
OFF-GRID OPERATION			
AC INPUT			
AC Start-up Voltage/Auto Restart Voltage	120-140VAC / 180VAC		
Acceptable Input Voltage Range	90-280VAC or 170-280VAC		
Maximum AC Input Current	30A	30A	40A
Nominal Operating Frequency	50/60Hz		
Surge Power	7200W	8400W	12400W
PV INPUT(DC)			
Maximum DC Voltage	500VDC		
MPPT Voltage Range	90VDC~450VDC		
Number of MPPT Trackers/Maximum Input Current	1/27A		
BATTERY MODE OUTPUT(AC)			
Nominal Output Voltage	220VAC	230VAC	240VAC
Output Waveform	Pure sinewave		
Efficiency(DC to AC)	94%		
BATTERY & CHARGER			
Nominal DC Voltage	24VDC	24VDC	48VDC
Maximum Solar Charging Current	120A	140A	120A
Maximum AC Charging Current	100A		
GENERAL			
PHYSICAL			
Dimension,D x W x H	420*310*110		
Net Weight(kgs)	10	11	
INTERACE			
Communication Port	RS232/WIFI		
ENVIRONMENT			
Humidity	5%~95%		
Operating Temperature	-10°C to 50°C		