

MPS-VIII ECO SERIES

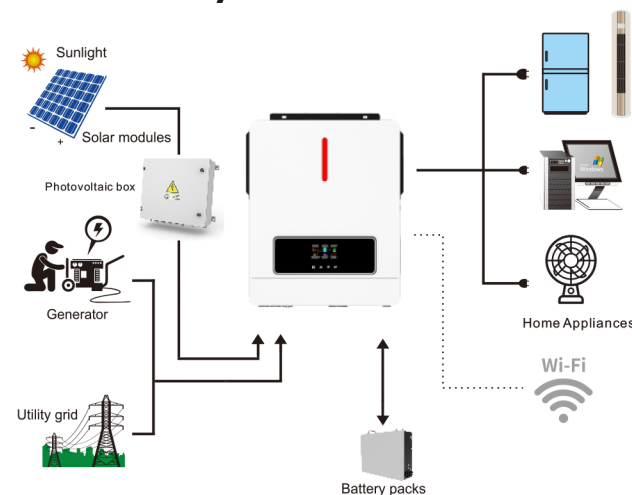
Off Grid Solar Inverter



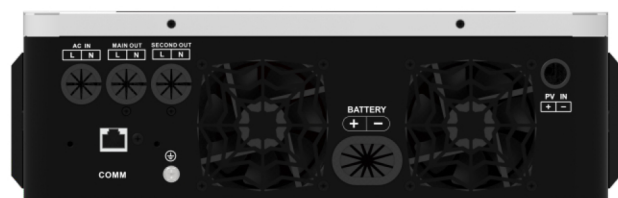
»» Features

- Pure sine wave solar inverter(on/off Grid)
- WIFI&GPRS available for IOS and Android
- Inverter running without battery
- One-key restoration to factory settings
- Built-in lithium battery automatic activation
- Built-in 120A(for 3.6KW/6.2KW)140A(for 7.2KW)
- MPPT:max 6200W(for 3.6KW),max 6500W(for 6.2KW) max 7500W(for 7.2KW)solar charge
- High PV input voltage range(90~450VDC)
- Built-in anti-dusk kit for harsh enviroment
- Smart battery charge design to optimize battery life
- Dual output

»» Solar System Connection



»» Overview



RGB LIGHT

RGB lighting for different working mode

RGB automatically switches with the working mode of the inverter :

Battery mode: red;

Utility mode: blue;

PV mode: purple;



»» Product Data Sheet

MODEL	MPS-VIII ECO 3.6KW	MPS-VIII ECO 6.2KW	MPS-VIII ECO 7.2KW
Phase	1-phase		
Maximum PV Input Power	6200W	6500W	7500W
Rated Output Power	3600W/3600VA	6200W/6200VA	7200W/7200VA
Maximum Solar Charging Current	120A	120A	140A
GRID-TIE OPERATION			
PV Input(DC)			
Nominal DC Voltage/Maximum DC Voltage	360VDC/500VDC		
Start-up Voltage/Initial Feeding Voltage	60VDC/90VDC		
Maximum DC Voltage	60VDC~450VDC		
Number Of MPPT Trachers/Maximum Input Current	1/23A		
GRID OUTPUT(AC)			
Nominal Output Voltage	200/230/240VAC		
Output Voltage Range	195.5~253VAC		
Nominal Output Current	15.7A	27A	31.3A
Power Factor	>0.99		
Feed-in Grid Frequency Range	49~51±1Hz		
EFFICIENCY			
Maximum Conversion Efficiency(Solar/AC)	98%		
TWO LOAD OUTPUT POWER(V2.0)			
Full Load	3600W	6200W	7200W
Maximum Main Load	3600W	6200W	7200W
Maximum Second Load(Battery mode)	1200W	2067W	2400W
Main Load Cut Off Voltage	22VDC	44VDC	44VDC
Main Load Return Voltage	26VDC	52VDC	52VDC
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	40A	40A
Nominal Operating Frequency	50/60Hz		
Surge Power	7200W	12400W	14400W
BATTERY MODE OUTPUT(AC)			
Nominal Output Voltage	220/230/240VAC		
Output Wavefrom	Pure sinewave		
Efficiency(DC to AC)	94%		
BATTERY & CHARGER			
Nominal DC Voltage	24VDC	48VDC	48VDC
Maximum Solar Charging Current(Solar to AC)	120A	120A	140A
Maximum AC Charging Current	100A	100A	100A
PHYSICAL			
Dimension,D X W X H	110*334*423		
Net Weight(kgs)	9	10	11
INTERFACE			
Communication Port	RS232/GPRS/WIFI		
ENVIRONMENT			
Operating Temperature	-10°C to 55°C		