

MPS-VIII ECO SERIES

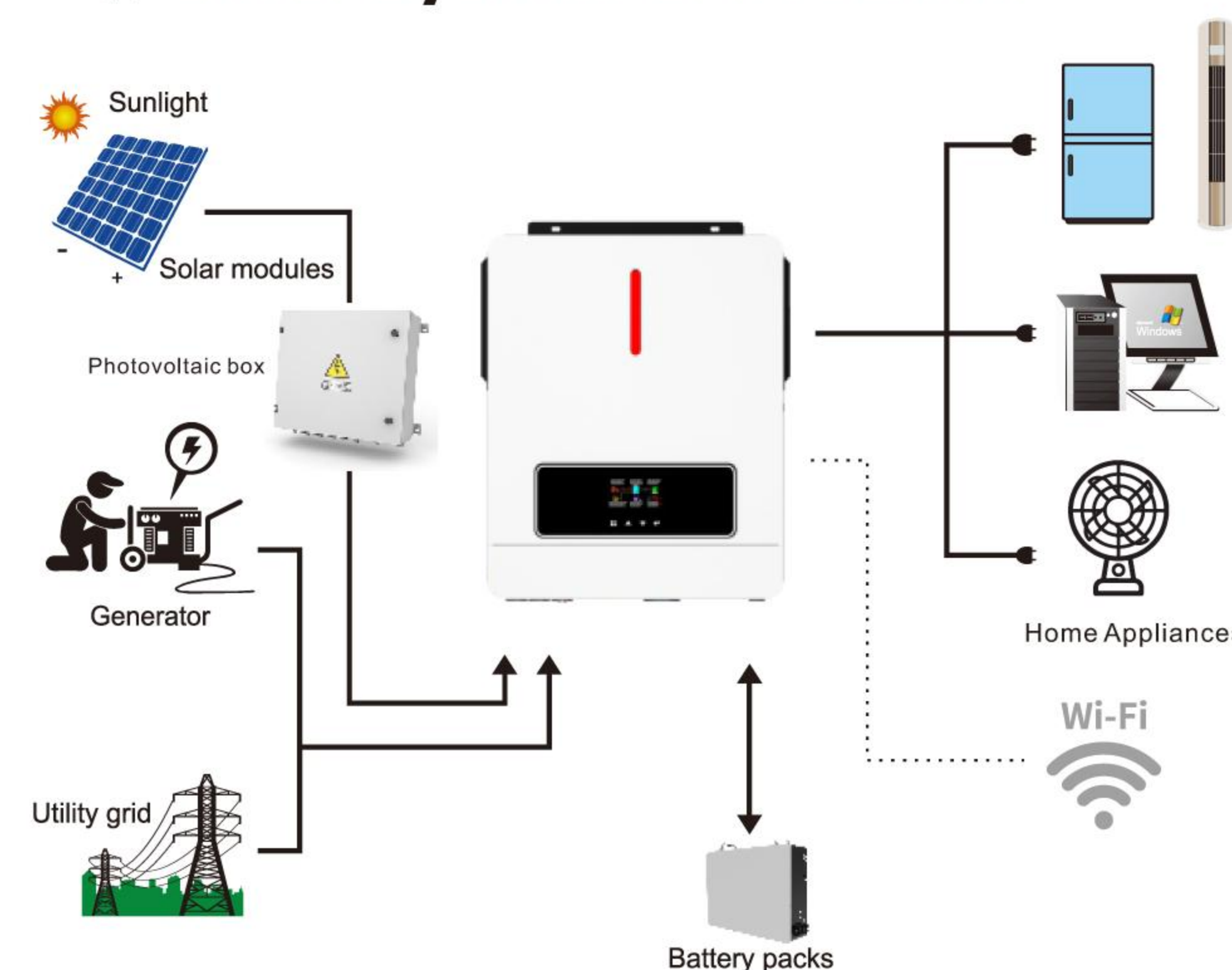
Off Grid Solar Inverter



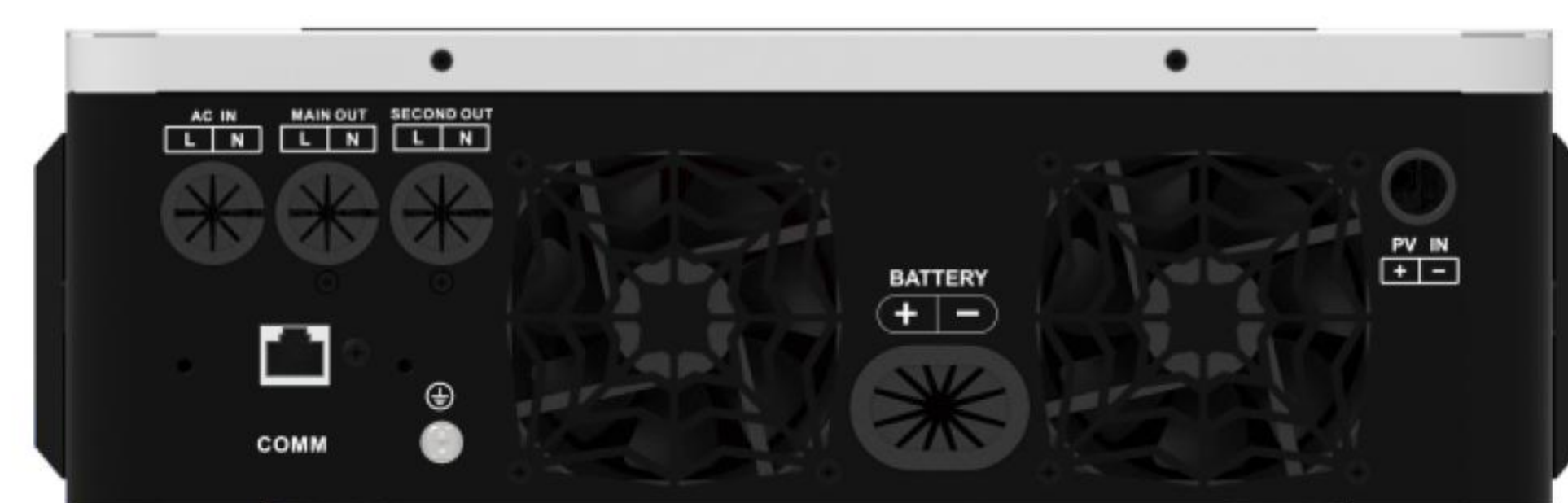
»» Features

- 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/4.2KW)120A(for 6.2KW)
- MPPT:max 6200W(for 3.6KW),max 6200W(for 4.2KW) max 6500W(for 6.2KW)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



»» Product Data Sheet

MODEL	MPS-VIII ECO 3.6KW	MPS-VIII ECO 4.2KW	MPS-VIII ECO 6.2KW
Phase	1-phase		
Maximum PV Input Power	6200W	6200W	6500W
Rated Output Power	3600W/3600VA	4200W	6200W/6200VA
Maximum Solar Charging Current	120A	120A	120A
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	1/23A	1/23A
GRID OUTPUT(AC)			
Nominal Output Voltage	200/230/240VAC		
Output Voltage Range	195.5~253VAC		
Nominal Output Current	15.7A	18.2A	27.0A
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	4200W	5000W
Maximum Main Load	3600W	4200W	5000W ~10000W
Maximum Second Load(Battery mode)	1200W	1400W	1666W ~3333W
Main Load Cut Off Voltage	22VDC	22VDC	44VDC
Main Load Return Voltage	26VDC	26VDC	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	40A	40A	50A
Nominal Operating Frequency	50/60Hz		
Surge Power	7200W	8400W	10000W
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	24VDC	48VDC
Maximum Solar Charging Current(Solar to AC)	120A	120A	120A
Maximum AC Charging Current	100A	100A	100A
PHYSICAL			
Dimension,D x W x H	420*310*110		
Cartoon Dimension,D x W x H	500*415*180		
Net Weight(kgs)	8.8	8.9	9.8
Gross Weight(kgs)	10	10.1	11
INTERFACE			
Communication Port	RS232/GPRS/WIFI		
ENVIRONMENT			
Operating Temperature	-10°C to 55°C		