

HGB series

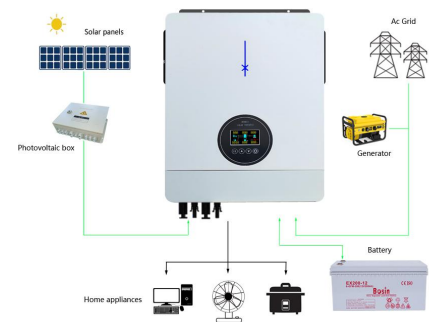
On/off solar inverter
Hybrid inverter



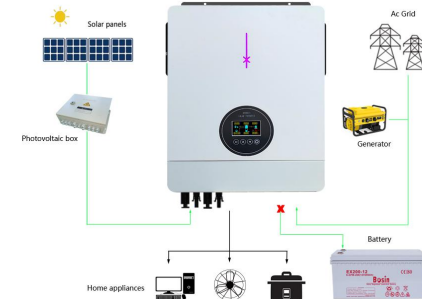
Features

- Pure sine wave solar inverter(on/off grid)
- Inverter running without battery
- Built-in lithium battery automatic activation
- Touch button
- Smart battery charge design to optimize battery life
- Built-in 160A(for 7.2KW/8.2KW)/180A(for 10.2KW)MPPT solar charge
- Output power factor 1.0
- WIFI&GPRS available for IOS and android
- One-click restoration to factory settings
- High PV input voltage range(90~500VDC)
- Dual output

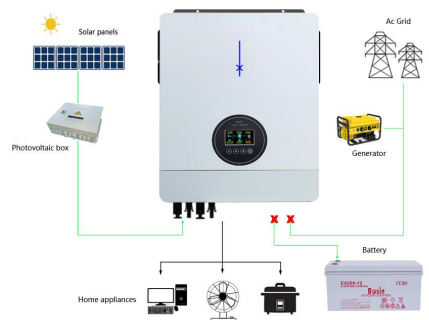
Off/On grid Inverter Connection



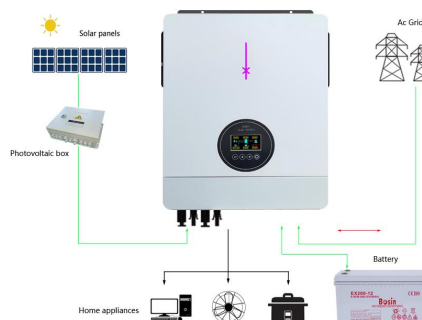
● Battery connected Solar Power and AC Power available



● AC Power/pv available



● Pv available



● Feed into the grid

Product Data Sheet

MODEL	HG-B7200W	HG-B8200W	HG-B10.2KW
Rated Power	7200VA/7200W	8200VA/8200W	10.2KVA/10.2KW
MAX. PV Array Power	8200W	8200W	10200W
MAX. PV Charging Current	160A	160A	180A
ON GRID OPERATION			
GRID OUTPUT (AC)			
Nominal Output Voltage	220V/230V/240VAC		
Feed-in Grid Output Voltage Range	195.5~253VAC		
Nominal Output Current	31.3A	35.5A	44.3A
Power Factor	>0.99		
PV Input (DC)			
Nominal DC Voltage/Maximum DC Voltage	360VDC/500VDC		
PV Array MPPT Voltage Range	90VDC-500VDC		
Maximum DC Voltage	500VDC		
OFF-GRID OPERATION			
AC INPUT			
Acceptable Input Voltage Range	90-280VAC or 170-280VAC		
Maximum AC Input Current	40A	40A	50A
Nominal Operating Frequency	50/60HZ		
AC OUTPUT			
Output Voltage	220V/230V/240VAC		
Surge Power	14400VA	16400VA	20400VA
Output Waveform	Pure sine wave		
BATTERY & CHARGER			
Battery Voltage	48VDC	48VDC	48VDC
Maximum Solar Charging Current	160A	160A	160A
Maximum AC Charging Current	140A	140A	160A
Efficiency(DC to AC)	94%		
PHYSICAL			
Dimension. D*W*H (mm)	535*400*137mm		
Net Weight (kgs)	13.5Kg	14.5Kg	15.5Kg
Communication Port	RS232/WIFI		
OPERATING ENVIRONMENT			
Humidity	5% to 95% Relative Humidity(Non-condensing)		
Operating Temperature	0° C to 55° C		
Storage Temp	-15° C to 60° C		

RGB lighting for different working mode



Battery mode

Utility mode

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