HGB series

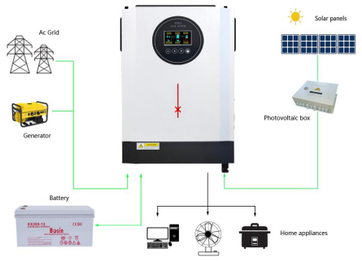
On/off solar inverter

Hybrid inverter

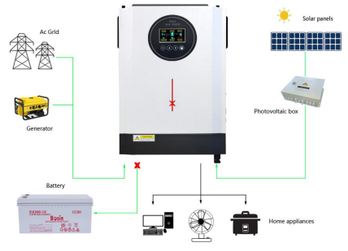
Features

- ■ Pure sine wave solar inverter(on/off grid)
- □ Inverter running without battery
- ■ Built-in lithium battery automatic activation
- □ Built-in 120A (for 3.6KW/6.2KW) 150A(for 4.5KW)
- ■ Smart battery charge design to optimize battery life Dual output(V2.1)
- ■ 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)

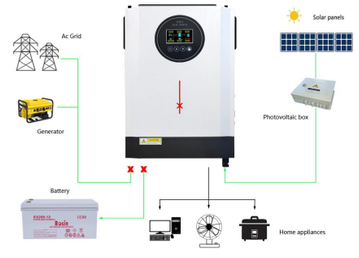
Off/0n grid Inverter Connection



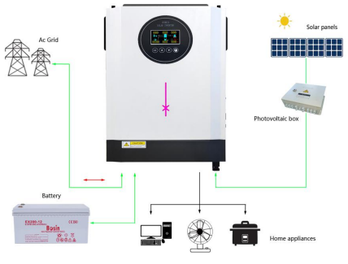
● **Battery connected Solar Power and AC Power available**



● **AC Power/pv available**



● **Pv available**



● **Feed into the grid**

Product Data Sheet

MODEL	HG-B3600W	HG-B4500W	HG-B6200W
Rated Power	3600VA/3600W	4500VA/4500W	6200VA/6200W
MAX.PV Array Power	3600W	4500W	6500W
MAX.PV Charging Current	120A	150A	120A
ON GRID OPERATION			
GRID OUTPUT(AC)			
Nominal Output Voltage	220V/230V/240VAC		
Feed-in Grid Output Voltage Range	195.5~253VAC		
Nominal Output Current	15.7A	18.2A	26.1A
Power Factor	>0.99		
PV Input(DC)			
Nominal DC Voltage/Maximum DC Voltage	240VDC/450VDC		360VDC/500VDC
Start-up Voltage/Initial Feeding Voltage	90VDC-120VDC		
Maximum DC Voltage	500VDC		
OFF-GRID OPERATION			
AC INPUT			
Acceptable Input Voltage Range	90-280VAC or 170-280VAC		
Maximum AC Input Current	20A	30A	40A
Nominal Operating Frequency	50/60HZ		
AC OUTPUT			
Output Voltage	220V/230V/240VAC		
Surge Power	7200VA	9000VA	12400VA
Output Waveform	Pure sine wave		
BATTERYY & CHARGER			
Battery Voltage	24VDC	24VDC	48VDC
Maximum Solar Charging Current	120A	150A	120A
Maximum AC Charging Current	100A		
Efficiency(DC to AC)	94%		
PHYSICAL			
Dimension.D*W*H(mm)	400*300*110mm		
Net Weight (kgs)	10.5Kg	11Kg	11.5Kg
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 lingthing 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