

Off Grid Solar Inverter HP Series

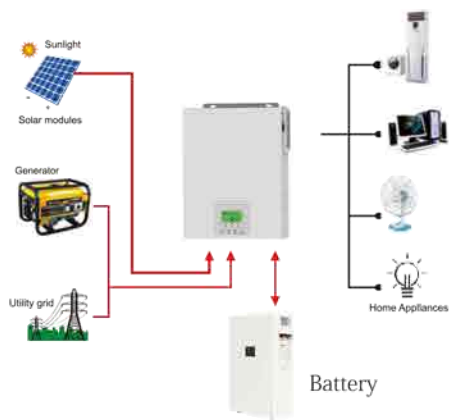


Features

- Pure sine wave solar inverter
- Built-in 80A MPPT solar charger
- Built-in anti-dusk kit for harsh environment (optional)
- Compatible with lithium-ion battery
- High PV input voltage range (90~450VDC)
- Smart battery charge design to optimize battery life
- Solar energy is provided directly to the load first
- Can meet the rich custom needs of customers

System Diagram

■ Operation with battery connected
 »» Solar Power and AC Power available



»» Solar Power and AC Power not available



Product Data Sheet

MODEL	BST-HP-1500W
Rated Power	1500VA/1500W
INPUT	
Voltage	230VAC
Selectable Voltage Range	170-280VAC(for personal computers) 90-280VAC(for home appliances)
Frequency Range	50Hz/60Hz (Auto sensing)
OUTPUT	
AC Voltage Regulation (Batt.Mode)	230VAC±5%
Surge power	3000W
Efficiency(Peak) PV to INV	97%
Efficiency(Peak) BAT to INV	94%
Transfer Time	10ms (for personal computers) 20ms (for home appliances)
Wave form	Pure Sine Wave
BATTERY & AC CHARGER	
Battery Voltage	12VDC
Floating Charge Voltage	13.5VDC
Overcharge Protection	16VDC
Maximum charge current	60A
SOLAR CHARGER	
MAX.PV Array Power	2000W
MPPT Range@ Operating Voltage	90-430VDC
Maximum PV Array Open Circuit Voltage	450VDC
Maximum Charging Current	80A
Maximum Efficiency	98%
PHYSICAL	
Dimension.D*W*H(mm)	348*270*95
Net Weight (kgs)	4kg
Communication Interface	RS232(Standard) GPRS/WIFI(Optional)
OPERATING ENVIRONMENT	
Humidity	5% to 95% Relative Humidity(Non-condensing)
Operating Temperature	0°C to 55°C
Storage Temperature	-15°C to 60°C


PC

TV

Electric fan

FM Radio

Solar Power