

## Off Grid Solar Inverter HP Series

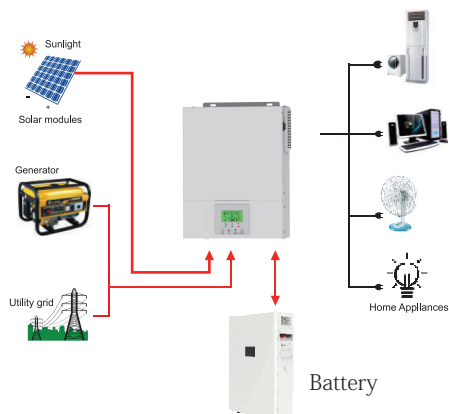


### »» Features

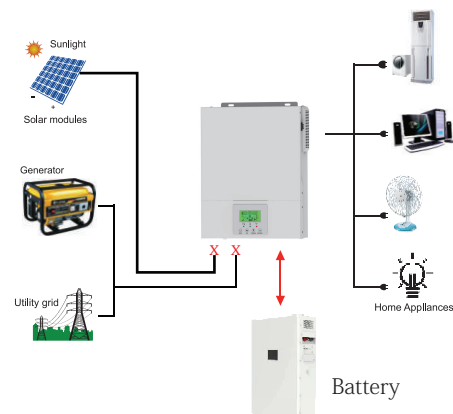
- Pure sine wave solar inverter
- Built-in 80A MPPT solar charger
- Built-in anti-dusk kit for harsh environment(optinal)
- Compatibe with lithium-ion battery
- High PV input voltage range(90~450VDC)
- Smart battery charge design to optimize battery life
- Solar energy is provided directly to the load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

### »» System Digram

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



»» Solar Power and AC Power not available



**»» Product Data Sheet**

<b>MODEL</b>	<b>BST-HP-1500W</b>
Rated Power	1500VA/1500W
<b>INPUT</b>	
Voltage	230VAC
Selectable Voltage Range	170-280VAC(for personal computers) 90-280VAC(for home appliances)
Frequency Range	50Hz/60Hz (Auto sensing)
<b>OUTPUT</b>	
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
<b>BATTERY &amp; AC CHARGER</b>	
Battery Voltage	12VDC
Floating Charge Voltage	13.5VDC
Overcharge Protection	16VDC
Maximum charge current	60A
<b>SOLAR CHARGER</b>	
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%
<b>PHYSICAL</b>	
Dimension.D*W*H(mm)	348*270*95
Net Weight (kgs)	4kg
Communication Interface	RS232(Standard) GPRS/WIFI(Optional)
<b>OPERATING ENVIRONMENT</b>	
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**