

## Off Grid Solar Inverter HP Series



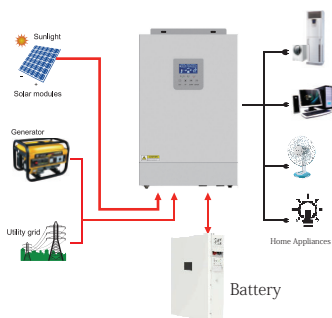
### Features

- Pure sine wave output
- Output power factor 1.0
- Programmable supply priority for PV, battery or Grid
- User-adjustable charge current and voltage
- Wide PV input range (120Vdc -500Vdc), 110A MPPT SCC

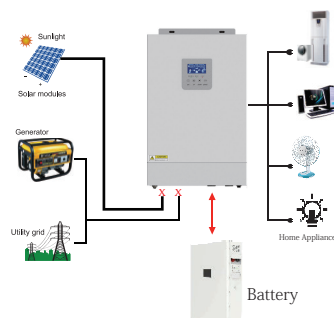
- Working without batteries in sunny day
- WiFi Monitoring Function (optional)
- Anti-dusk kit for harsh environment(optional)
- LCD remote control with 10 meters wire(optional)
- PV and electricity complementary
- Use with lithium batteries

### System Diagram

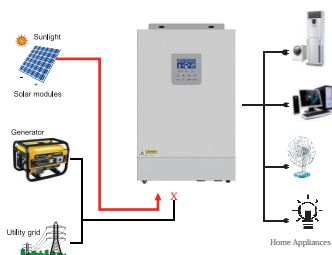
- Operation with battery connected
  - » Solar Power and AC Power available



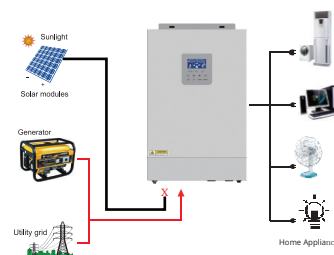
- » Solar Power and AC Power not available



- Operation without battery connected
  - » Solar Power available



- » AC Power available



**»» Product Data Sheet**

MODEL	BST-HP-3500W	BST-HP-5500W
Rated Power	3500VA/3500W	5500VA/5500W
<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	7000VA	11000VA
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	24VDC	48VDC
Floating Charge Voltage	27VDC	54VDC
Overcharge Protection	33VDC	63VDC
Maximum charge current	80A	80A
<b>SOLAR CHARGER</b>		
MAX.PV Array Power	5000W	6000W
MPPT Range@ Operating Voltage	120-500VDC	
Maximum PV Array Open Circuit Voltage	500VDC	
Maximum Charging Current	110A	
Maximum Efficiency	98%	
<b>PHYSICAL</b>		
Dimension.D*W*H(mm)	472*297*129	
Net Weight (kgs)	13kg	14kg
Communication Interface	RS485/RS232(Standard) LCD remote/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**