

# HPS SERIES

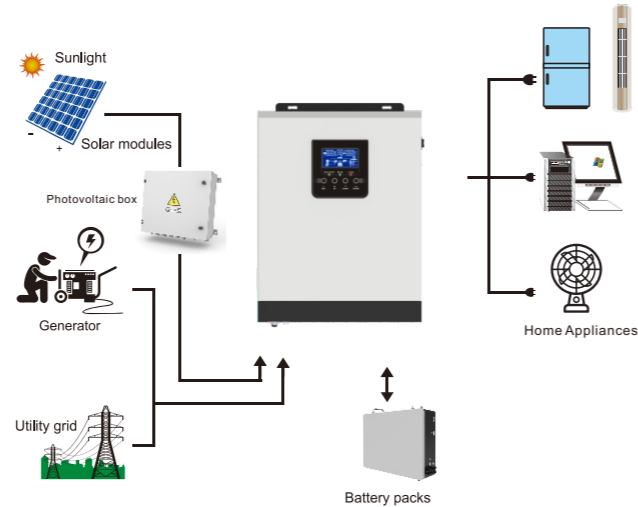
Off Grid Solar Inverter



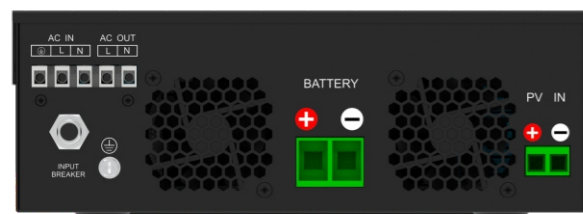
## »» Features

- Pure sine wave inverter
- Built-in PWM solar charge controller
- Selectable input voltage range for home use
- Selectable charging current based on applications
- Configurable AC/Solar input priority via LCD setting
- Compatible to mains voltage or generator power
- Auto restart while AC is recovering
- Overload and short circuit protection
- Smart battery charger design for optimized battery performance

## »» Solar System Connection



## »» Overview



## »» Product Data Sheet

MODEL	HPS 1.5K-12	HPS 1.5K-24	HPS 3K-24
Rated Power	1500VA/1200W	1500VA/1200W	3000VA/2400W
<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	3000VA	3000VA	6000VA
Efficiency(Peak)	90%	93%	93%
Transfer Time	10ms (for personal computers) 20ms (for home appliances)		
Wave form	Pure Sine Wave		
<b>BATTERY</b>			
Battery Voltage	12VDC	24VDC	24VDC
Floating Charge Voltage	13.5VDC	27VDC	27VDC
Overcharge Protection	15.5VDC	31VDC	30VDC
<b>SOLAR CHARGER &amp; AC CHARGER</b>			
Maximum PV Array Open Circuit Voltage	55VDC	80VDC	80VDC
PV Range @ Operating Voltage	12-20VDC	30-40VDC	30-40VDC
Maximum Solar Charging Current	50A	50A	50A
Maximum AC Charging Current	10A/20A	20A/30A	20A/30A
Maximum Charging Current (Utility Charging+Solar Charging)	70A	80A	80A
Standby Power Consumption	2W	2W	2W
<b>PHYSICAL</b>			
Dimension.D*W*H(mm)	305*272*100mm		
Net Weight (kgs)	5.2kg		
<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		