

HPS SERIES

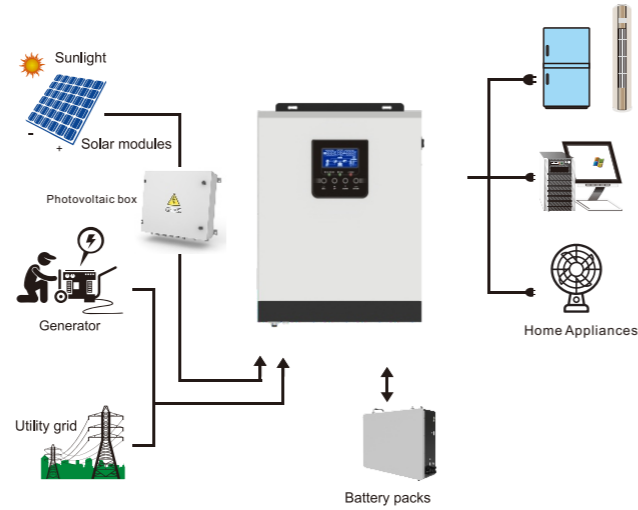
Off Grid Solar Inverter



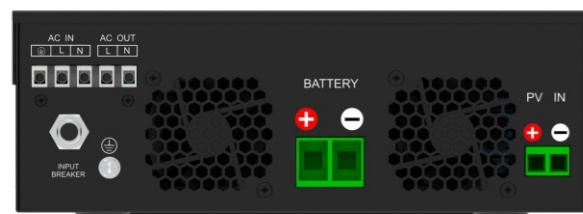
»» Features

- 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
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	3000VA	3000VA	6000VA
Efficiency(Peak)	90%	93%	93%
Transfer Time	10ms (for personal computers) 20ms (for home appliances)		
Wave form	Pure Sine Wave		
BATTERY			
Battery Voltage	12VDC	24VDC	24VDC
Floating Charge Voltage	13.5VDC	27VDC	27VDC
Overcharge Protection	15.0VDC	30VDC	30VDC
SOLAR CHARGER & AC CHARGER			
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
PHYSICAL			
Dimension.D*W*H(mm)	305*272*100mm		
Net Weight (kgs)	5.2kg		
OPERATING ENVIRONMENT			
Humidity	5% to 95% Relative Humidity(Non-condensing)		
Operating Temperature	0°C to 55°C		
Storage Temperature	-15°C to 60°C		