

## PS Series

### Off Grid Solar inverter



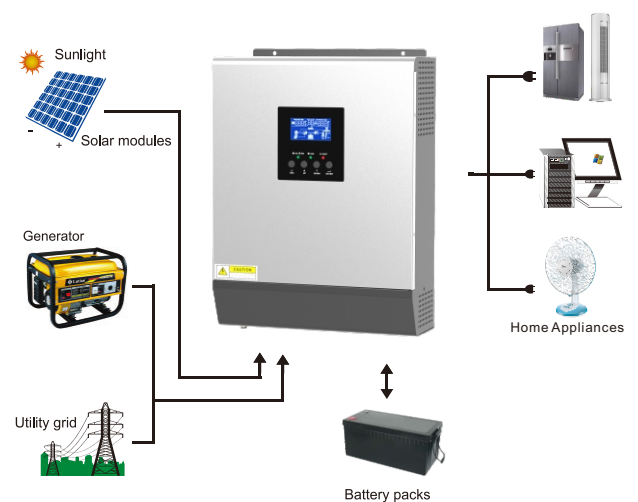
#### »» Features

- 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
- Parallel operation with up to 6 units available for 5KVA

#### »» Overview



#### »» Solar System Connection



## »» Product Data Sheet

MODEL	PS 1K-12	PS 3K-24	PS 5K-48
Rated Power	1000VA/800W	3000VA/2400W	5000VA/4000W
<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	2000VA	6000VA	10000VA
Efficiency(Peak)	90%	93%	93%
Transfer Time	10ms (for personal computers) 20ms (for home appliances)		
Wave form	Pure Sine Wave		
<b>BATTERY &amp; AC CHARGER</b>			
Battery Voltage	12VDC	24VDC	48VDC
Floating Charge Voltage	13.5VDC	27VDC	54VDC
Overcharge Protection	15.0VDC	30VDC	60VDC
Maximum charge current	10A/20A	20A/30A	10A/20A/30A/40A/50A/60A
<b>SOLAR CHARGER &amp; AC CHARGER</b>			
Charging Current	50A		
Maximum PV Array Open Circuit Voltage	40VDC	80VDC	105VDC
PV Range @ Operating Voltage	15-18VDC	30-32VDC	60-105VDC
Standby Power Consumption	1W	2W	3W
<b>PHYSICAL</b>			
Dimension.D*W*H(mm)	240*327.6*110	368*272*100	467*295*120
Net Weight (kgs)	4.5kg	6.9kg	9.8kg
<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		

## »» Power Connection

Parallel Operation with up to 6 units available for 5KVA model



PC



TV



Electric fan



FM Radio



Solar Power