

PS PLUS Series

Off Grid Solar inverter



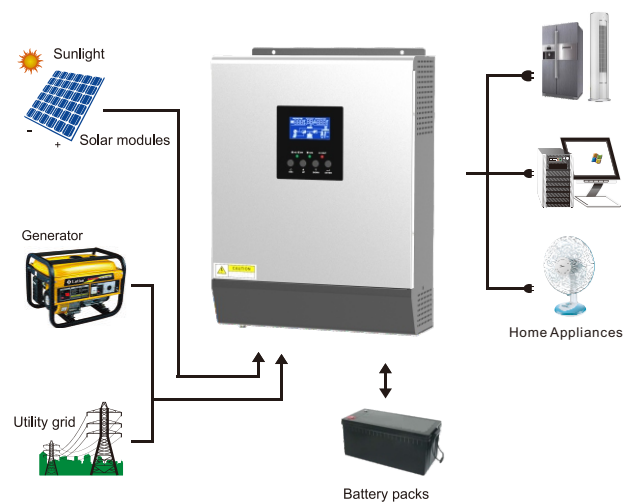
»» Features

- Pure sine wave inverter
- Built-in PWM solar charge controller
- Output power factor 1
- 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
- Cold start function

»» Overview



»» Solar System Connection



»» Product Data Sheet

MODEL	PS PLUS 1K -12	PS PLUS 1.5K-24	PS PLUS 3K-24	PS PLUS 5K-48
Rated Power	1000VA/1000W	1500VA/1500W	3000VA/3000W	5000VA/5000W
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	2000VA	3000VA	6000VA	10000VA
Efficiency(Peak)	90%	93%	93%	93%
Transfer Time	10ms (for personal computers) 20ms (for home appliances)			
Wave form	Pure Sine Wave			
BATTERY & AC CHARGER				
Battery Voltage	12VDC	24VDC	24VDC	48VDC
Floating Charge Voltage	13.5VDC	27VDC	27VDC	54VDC
Overcharge Protection	15.0VDC	30VDC	30VDC	60VDC
Maximum charge current	10A/20A	20A/30A	20A/30A	10A/20A/30A/ 40A/50A/60A
SOLAR CHARGER & AC CHARGER				
Charging Current	50A			
Maximum PV Array Open Circuit Voltage	40VDC	80VDC	80VDC	105VDC
PV Range @ Operating Voltage	15-18VDC	30-32VDC	30-40VDC	60-105VDC
Standby Power Consumption	1W	2W	2W	3W
PHYSICAL				
Dimension.D*W*H(mm)	240*327.6*110	368*272*100	368*272*100	467.6*295*120
Net Weight (kgs)	4.5kg	5.5kg	6.9kg	9.8kg
OPERATING ENVIRONMENT				
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

