



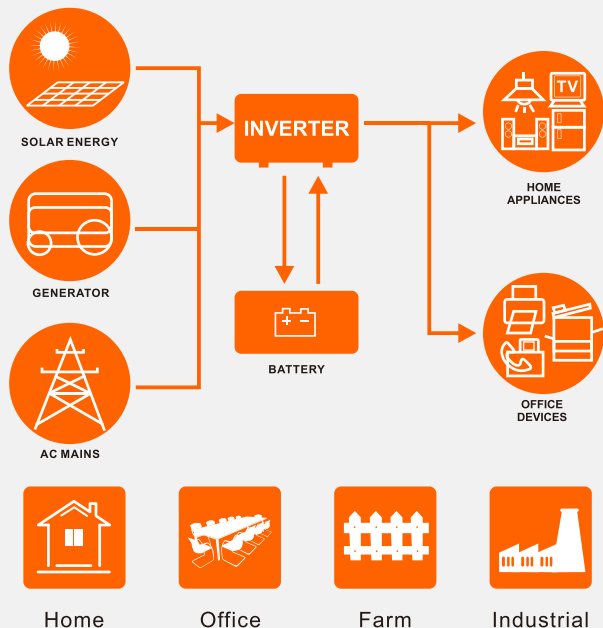
*Pure Sine Wave and **PWM** Controller built-in*

Off Grid Hybrid Inverter

MODEL: PS1000 / PS2000 / PS3000

This is a multi-functional inverter/charger, combining functions of solar charging and battery charging and AC power charging to offer uninterruptible power support with portable size, its comprehensive LCD display offers user-configurable and easy-accessible button operation such as battery charging current, AC power input/solar power input charging priority etc, and acceptable input voltage based on different applications.

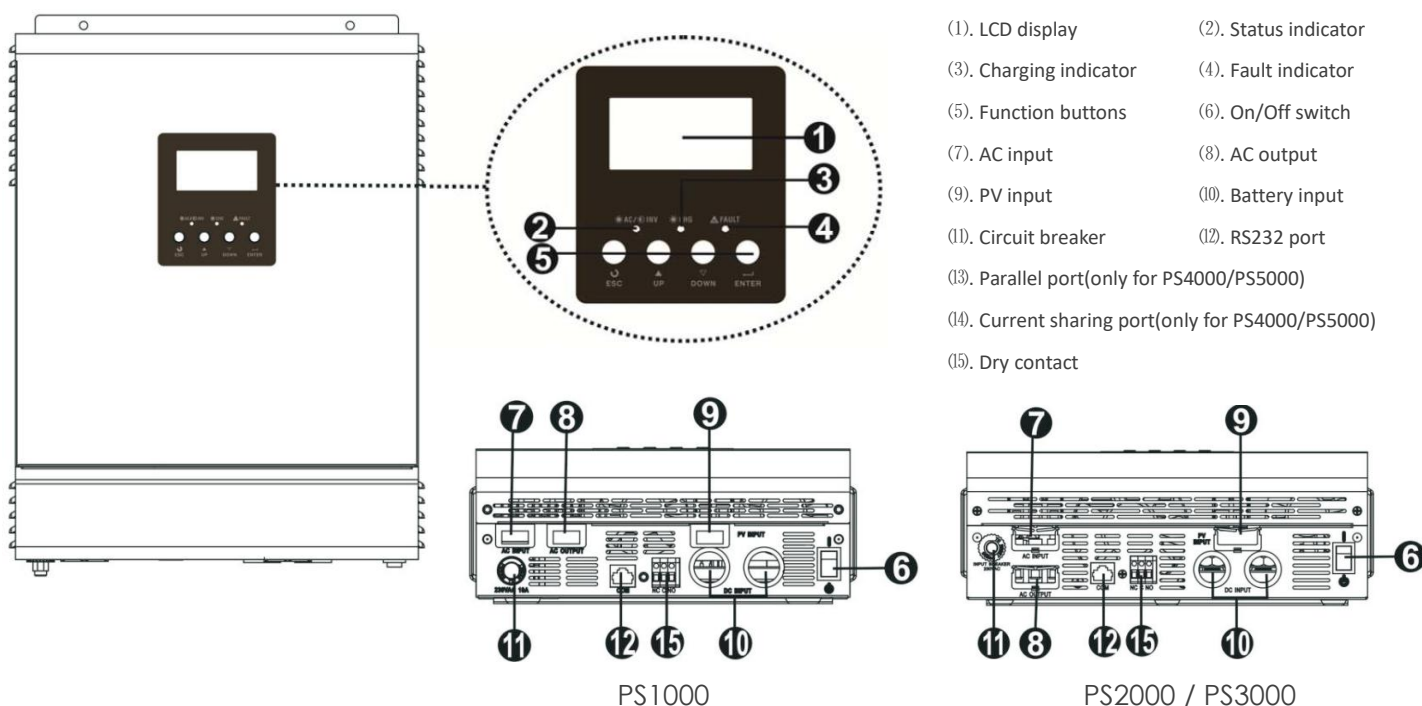
Applications



Features

- Pure sine wave inverter and charger controller unit built-in.
- Selectable input voltage range for home appliances and personal uses.
- Selectable charging current based on applications.
- Configurable AC power/solar power input priority as option.
- Compatible to mains voltage or generator power.
- Auto restart while AC power is recovering.
- Overload and short circuit protection.
- Smart charging system to optimize battery performance.
- Cold start function.

Product overview



INPUT DATA	MODEL	PS1000-12	PS2000-24	PS3000-24
Parallel capacity		Inapplicable	Inapplicable	Inapplicable
Rated power		1000VA/800W	2000VA/1600W	3000VA/2400W
DC input voltage		12VDC	24VDC	24VDC
AC input voltage selectable		90-280VAC/170-280VAC 50-60Hz		
OUTPUT DATA				
AC output voltage		230VAC±5% 50Hz		
Surge power		2000VA	4000VA	6000VA
Efficiency(Peak)		90%	93%	93%
Transfer time		10-20ms	10-20ms	10-20ms
Waveform		Pure sine wave	Pure sine wave	Pure sine wave
BATTERY&AC CHARGER				
Battery voltage		12VDC	24VDC	24VDC
Floating charge voltage		13.5VDC	27.0VDC	27.0VDC
Overcharge protection		15.0VDC	30.0VDC	30.0VDC
Max. charge current		10A or 20A	20A or 30A	20A or 30A
SOLAR CHARGER				
Max. PV open voltage		50VDC	60VDC	60VDC
Max.PV power		600W	1200W	1200W
Max. PV charge current(PWM)		50A	50A	50A
Max. efficiency		95%	95%	95%
Standby power consumption		1W	2W	2W
OPERATING CONDITIONS				
Humidity		5% to 95% relative humidity(non condensing)		
Operating temperature (Inside inverter)		0℃ ~ +55℃		
Storage temperature		-15℃ ~ +60℃		
Cooling concept		Fan - cooling		
Degree of protection (Waterproof)		IP40		
Integrated ground		Equipment ground is provided by PE in AC cable, no additional ground is required		
Mechanical parameters				
Dimensions(D×W×H)mm		95×240×316	100×272×355	100×272×355
Net weight(kgs)		5.0	6.4	6.9

* Product specifications are subject to change without further notice.