



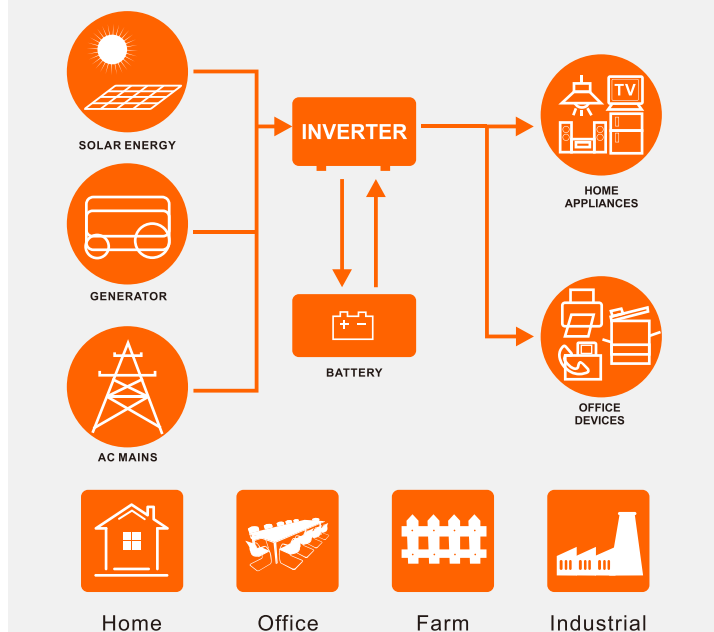
*Pure Sine Wave and **PWM** Controller built-in*

Off Grid Hybrid Inverter

MODEL: PS4000 / PS5000

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, parallel connection is feasible and Max. 6 units.

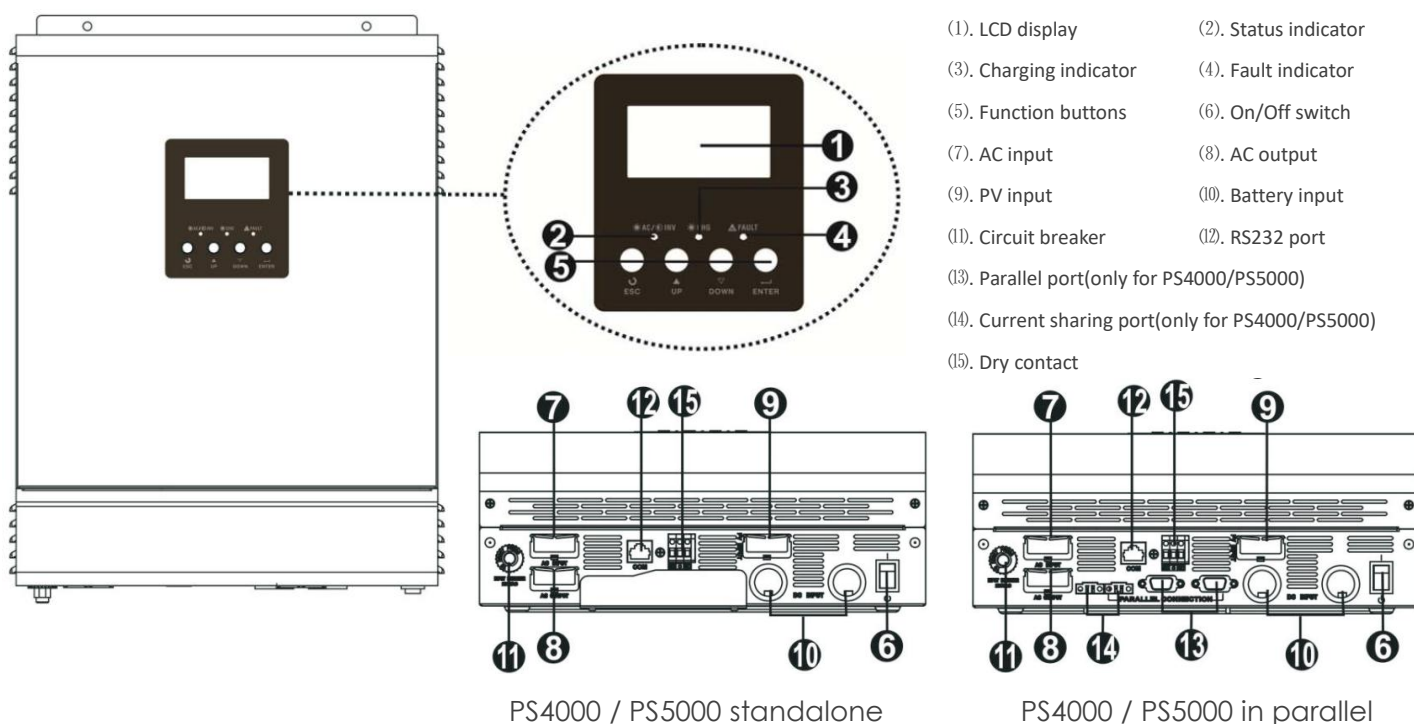
Applications



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.
- Max. 6 units in parallel as option

Product overview



INPUT DATA	MODEL	PS4000-48	PS5000-48
Parallel capacity		Yes, Max. 6 units(option)	Yes, Max. 6 units(option)
Rated power		4000VA/3200W	5000VA/4000W
DC input voltage		48VDC	48VDC
AC input voltage selectable		90-280VAC/170-280VAC 50-60Hz	
OUTPUT DATA			
AC output voltage		230VAC±5% 50Hz	
Surge power		8000VA	10000VA
Efficiency(Peak)		93%	93%
Transfer time		10-20ms	10-20ms
Waveform		Pure sine wave	Pure sine wave
BATTERY&AC CHARGER			
Battery voltage		48VDC	48VDC
Floating charge voltage		54.0VDC	54.0VDC
Overcharge protection		60.0VDC	60.0VDC
Max. charge current		20A or 30A	20A or 30A
SOLAR CHARGER			
Max. PV open voltage		105VDC	105VDC
Max.PV power		1200W	1200W
Max. PV charge current(PWM)		50A	50A
Max. efficiency		95%	95%
Standby power consumption		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		120×295×468	120×295×468
Net weight(kgs)		9.2	9.8

* Typical transfer time for parallel operation is 30ms.

* Product specifications are subject to change without further notice.

