

PSC Plus Series 3~5KVA

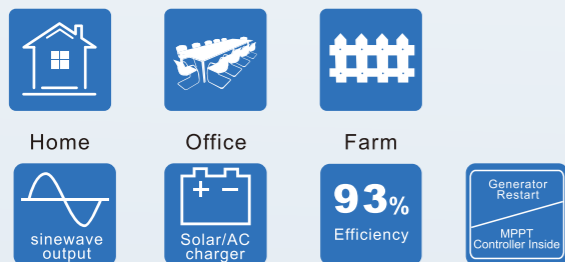
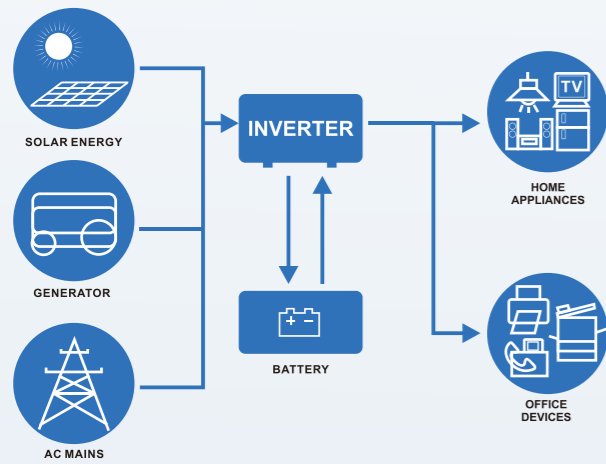


The PSC Plus3K/5K series Hybrid charger solar inverter, Mainly used for offgrid solar station, home solar power system, mobile solar power system.

Features:

- ◆ PSC Plus Series AC/Solar charging Off grid Hybrid Inverter.
- ◆ Built-in MPPT solar charge controller.
- ◆ Selectable input voltage range for home appliances and personal computers.
- ◆ Configurable AC/Solar input priority via LCD setting.
- ◆ Compatible to mains voltage or generator power.
- ◆ Auto restart while AC is recovering.
- ◆ Smart battery charger design for optimized battery performance.
- ◆ Over load, over temperature, short circuit protection.

Application:



Specifications

Pure Sine Wave Hybrid charger Inverter

Model	PSC Plus3K-24	PSC Plus5K-48
Power Rating	3KVA/2400W	5KVA/4200W
AC Input	Input Voltage Waveform Nominal input Voltage Low Line Disconnect Low Line Re-connect High Line Disconnect High Line Re-connect Max AC input Voltage Output Short Circuit Protection Frequency	Sinusoidal (utility or generator) 230VAC 170Vac±4%(Normal) or 90Vac±4%(Wide&Generator) 180Vac±4%(Normal) or 100Vac±4%(Wide&Generator) 280Vac±4%(Normal) or 280Vac±4%(Wide&Generator) 275Vac±4%(Normal) or 275Vac±4%(Wide&Generator) Max:300VAC 30A Circuit Breaker 50Hz, 60Hz
		175Vac±4%(Normal) or 125Vac±4%(Wide&Generator) 185Vac±4%(Normal) or 135Vac±4%(Wide&Generator) 280Vac±4%(Normal) or 280Vac±4%(Wide&Generator) 275Vac±4%(Normal) or 275Vac±4%(Wide&Generator) 40A Circuit Breaker
AC Output	Output Voltage Waveform Power Factor Bypass Breaker Size Voltage Regulation (Inverter Mode) Nominal Output Frequency (Hz) Capable of starting electric motor Transfer Time	Sine wave 0.8 30A ± 10% RMS 50Hz or 60Hz (Auto detection) 1.5HP 15ms (MAX)
		0.84 40A 2.5HP
Solar Charger	Charger mode Maximun PV Array Power Rated Charge Current PV High Voltage disconnect Efficiency	MPPT 960W 40A 75VDC±0.6VDC ≥98%
		2800W 60A 150VDC±1.2VDC
AC Charger	Nominal Charger Current Over charge Protection	20A @170Vac~280Vac; 10A @90Vac~170Vac 30VDC±0.6VDC
		25A @180Vac~280Vac; 20A @125Vac~180Vac 60VDC±1.2VDC
Battery Voltage	Nominal DC input Voltage Low Battery Alarm Low DC input shut-down High DC inputAlarm & Fault	24VDC 21VDC±0.6VDC 20VDC±0.6VDC 29VDC±0.6VDC
		48VDC 42VDC±1.2VDC 40VDC±1.2VDC 58VDC±1.2VDC
Efficiency	Efficiency (Battery Mode) Efficiency (Line Mode)	>90% >96%
System Parameter	Over-Load Protection Output Short Circuit Protection Surge Rating Protections Indicators	110%<load<150%,beeps 0.5s every 1s,and Fault after 10s offthe output, load≥150%,beeps 0.5s every 1s,and Fault after 5s Current limit (Fault after 4 cycles max) 1:2(VA) Low battery, over charging, over load, over temp LCD Display
General Specifications	Operating Temperature Range Storage Temperature Operation humidity cooling Dimension(L*W*H) Net Weight(kg)	0°C to 40°C -15°C~60°C 5% to 95%(non-condensing) Forced air,variable speed fan 330*270*90mm 5.5kg
		465*365*120mm 10.0kg

◆ Product specifications are subject to change without further notice.