

PSC Series 3~5KVA

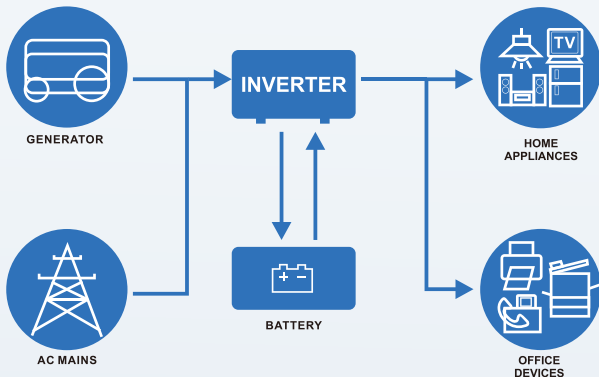


PSC LCD digital display high frequency pure sine wave Inverter 3KVA~5KVA, with charger function, most suitable for home and office appliances, solar systems, mobile PowerStation.

Features:

- ◆ PSC Series AC charging Inverter.
- ◆ LCD digital display will show voltage, frequency, battery and load information.
- ◆ Built in AC charger will charge batteries automatically.
- ◆ High-frequency switching technology for compact size and light weight.
- ◆ High efficient DC-to-AC conversion minimizing energy loss.
- ◆ High power density design.
- ◆ Intelligent cooling fan speed control determined by loads.
- ◆ CPU Control.
- ◆ Multiple protection: Input low voltage/ Overload/Short circuit/Low battery alarm/ Input over voltage/over temperature.

Application:



Home



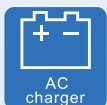
Office



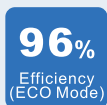
Farm



sinewave
output



AC
charger



96%
Efficiency
(ECO Mode)

Specifications

Pure Sine Wave charger Inverter

Model		PSC3K-24	PSC5K-48	PSC5K-96
Power Rating		3KVA/2400W	5KVA/4200W	5KVA/4200W
AC Input	Input Voltage Waveform	Sinusoidal (utility or generator)		
	Nominal input Voltage	230VAC		
	Low Line Disconnect	170Vac±4%(Normal) or 90Vac±4%(Wide &Generator)	170Vac±4%(Normal) or 90Vac±4%(Wide &Generator)	170Vac±4%(Normal) or 90Vac±4%(Wide &Generator)
	Low Line Re-connect	180Vac±4%(Normal) or 100Vac±4%(Wide &Generator)	180Vac±4%(Normal) or 100Vac±4%(Wide &Generator)	180Vac±4%(Normal) or 100Vac±4%(Wide &Generator)
	High Line Disconnect	280Vac±4%(Normal) or 280Vac±4%(Wide &Generator)	280Vac±4%(Normal) or 280Vac±4%(Wide &Generator)	280Vac±4%(Normal) or 280Vac±4%(Wide &Generator)
	High Line Re-connect	270Vac±4%(Normal) or 270Vac±4%(Wide &Generator)	270Vac±4%(Normal) or 270Vac±4%(Wide &Generator)	270Vac±4%(Normal) or 270Vac±4%(Wide &Generator)
	Max AC input Voltage	Max:300VAC		
	Frequency	50Hz/60Hz(Auto detection)		
AC Output	Output Voltage Waveform	Sine wave		
	Power Factor	0.8	0.84	0.84
	Nominal Output Frequency (Hz)	50Hz / 60Hz ± 1Hz		
	Capable of starting electric motor	1.5HP	2.5HP	2.5HP
	Full load efficiency	≥90%		
AC Charger	Nominal Charger Current	10A @ Vi/p < 170Vac; 20A @ Vi/p = 230Vac; 10A @ Vi/p > 280Vac);	20A(95-175V,gen/ wide ,only); 35A(175-275V)@35A setting); 20A(175-275V)@20A setting);	10A(95-175V,gen /wide ,only); 20A(175-275V)@20A setting); 10A(175-275V)@10A setting);
	Over charge Protection	30VDC	60VDC	120VDC
	Floating Charge Voltage	27VDC	53.6VDC	108VDC
Battery Charger	Nominal DC input Voltage	24VDC	48VDC	96VDC
	Low Battery Alarm	21VDC	42VDC	84VDC
	High DC input Alarm & Fault	30VDC	60VDC	120VDC
	Transfer Time	Normal range : 10ms (typical) 15ms (max); Generator/wide range: 20ms (typical) 40ms (max)		
System Parameter	Over-Load Protection	110% < load < 150%,beeps 0.5s every 1s,and Fault after 10s off the output, load≥150%,beeps 0.5s every 1s,and Fault after 5s		
	Output Short Circuit Protection	Current limit (Fault after 4 cycles max)		
	Protections	Low battery, over charging, over load, over temp		
General Specifications	Operating Temperature Range	0°C to 40°C		
	Storage Temperature	- 15°C ~60°C		
	Audible Noise cooling	60dB max Forced air, variable speed fan		
	Dimension(L*W*H)	326*268*88.8mm	456*356.8*118mm	456*356.8*118mm
	Net Weight(kg)	5.6kg	11.1kg	12kg

◆ Product specifications are subject to change without further notice.