

PSC Plus Inverter Series

Application

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



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.

PSC Plus Inverter Series

Pure Sine Wave charger inverter

Specifications

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

