

## PSK2K/3K/4K/5K Inverter Series

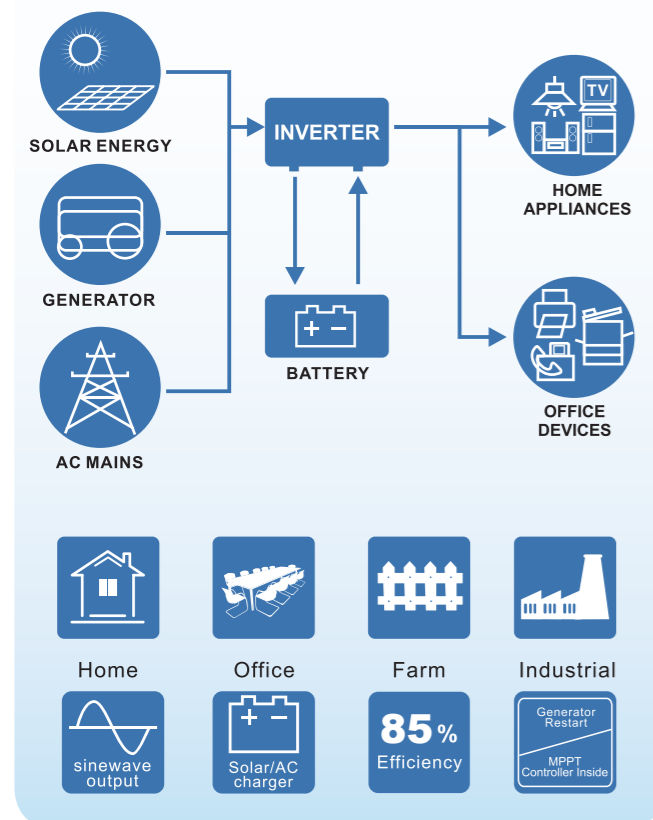
PSK2K-3K and 4K-5K is equipped with MPPT solar charge controller to maximize and regulate DC power from the solar array for charging the battery bank. Transformerless design provides reliable power conversion in compact size. Besides, it's worry-free to start up motor-type loads such as refrigerators, motors, pumps, compressors and laser printers as well as electronic loads like TVs, Computers, power tool and battery solar chargers.



### Features

- ◆ Pure sine wave inverter.
- ◆ Built-in MPPT solar charge controller.
- ◆ Selectable input voltage range for home appliances and personal computers.
- ◆ Selectable charging current based on applications.
- ◆ Configurable AC/Solar input priority via LCD setting.
- ◆ Compatible to mains voltage or generator power.
- ◆ Auto restart while AC is recovering.
- ◆ Overload and short circuit protection.
- ◆ Smart battery charger design for optimized battery performance.
- ◆ Cold start function.
- ◆ Parallel operation with up to 6 units only available for 4KVA/5KVA.
- ◆ remote control ,parameter setting and work status are available on computer via RS232.

### Application



## PSK2K/3K/4K/5K Inverter Series

Pure Sine Wave charger inverter

### Specifications

Model	PSK2000-24	PSK3000-24	PSK4000-48	PSK5000-48
Nominal Power	2000VA/1600W	3000VA/2400W	4000VA/3200W	5000VA/4000W
AC Input	Nominal input Voltage	230VAC		
	Low Line Disconnect	170Vac±7(UPS); 90Vac±7(Appliances)		
	Low Line Re-connect	180Vac±7(UPS); 100Vac±7(Appliances)		
	High Line Disconnect	280Vac±7(UPS); 280Vac±7(Appliances)		
	High Line Re-connect	270Vac±7(UPS); 270Vac±7(Appliances)		
	MAX AC input Voltage	Max:300VAC		
	Frequency	50Hz/60Hz		
	efficiency(Line Mode)	>95%(Rated R load, battery full charged)		
Transfer Time	10ms typical(UPS); 20ms typical(Appliances)			
AC Output	AC Voltage Regulation (Batt. Mode)	230VAC ± 5%		
	Output Voltage Waveform	Pure sine wave		
	Surge Capacity	2*rated power for 5 seconds		
	Peak efficiency	90%		
	No load Power Consumption	<25W	<50W	
	Saving Mode Power Consumption	<10W	<15W	
	Solar Charger & Ac Charger	Maximun PV Array Power	600W	4000W
MPPT Range @ Operating Voltage		30VDC ~75VDC	60VDC ~115VDC	
Maximum PV Array Open Circuit Voltage		75VDC	145VDC	
Maximum Solar Charge Current		25A	80A	
Maximum AC Charge Current		30A	60A	
Maximum Charge Current		55A	140A	
Standby Power Consumption		2W		
Efficiency		98.0% max		
Battery & Ac Charger	Battery Voltage	24 VDC	48 VDC	
	Bulk Charge Voltage	28.2 VDC	56.4 VDC	
	Floating Charge Voltage	27 VDC	54 VDC	
	Overcharge Protection	31 VDC	62 VDC	
General Specifications	Operating Temperature Range	0°C to 55°C		
	Storage Temperature	-15°C ~ 60°C	-15°C ~ 60°C	
	Operation Humidity	5% to 95% Relative Humidity(Non-condensing)		
	L*W*H (mm)	100*272*355mm	140*295*540mm	
	Net Weight (Kg)	7.0kg	7.4kg	12.5kg