

Specification (PSI- Series)

Applications:

Television, refrigerator, air condition, computer, electric fan, induction cooker, generator, printer, duplicators, lighting equipment, test equipment, and etc.

Description:

PSI Series UPS(inverter) provides pure sine wave power for commercial, household and industrial applications. Capacity availability range from 500VA to 10,000VA, it can power most common electrical appliances in these fields. Unique toroidal transformer technology, make our UPS(inverter) a very low exciting current which is the best application for solar system. Its individual AVR function make your appliance work very smooth even if mains power is not stable.

CPU control

CPU control, built-in intelligent software offers high precision output.

PWM technology, Pure Sine Wave output

Pure sine wave output, suitable for all types of loading includes resistive load, inductive load, complex load...

Toroidal transformer

In-house high quality toroidal transformer, gives you more reliable UPS(inverter) with lower exciting current

LCD Human-Machine interface

Input/output voltage and frequency, battery capacity, loading and etc can be showed on screen.



Sensitive short circuit protection

When short circuit happens, UPS(inverter) will shut down and giving warning.

Sensitive intelligent overload protection

On battery mode, overload more than 110%-130%,UPS(inverter) will give warning (beeping) for 30 seconds, after 30 seconds, UPS(inverter) will switch off to avoid damage. On battery mode, overload more than 130%-150%, UPS(inverter) instantly switches off. On mains power model, overload will activate the beeping warning until loading is reduced to normal range.

Shorter transfer time

≤4ms, make sure your IT applications work smoothly

Individual charger

When main power comes back, battery will be recharged automatically even UPS(inverter) was shut off. Charging current has High and Low sort to choose freely.

Individual AVR

At mains mode, UPS(inverter) can use as Automatic Voltage Regulator.

Full battery protection

Accurate charging and discharging current monitor and control. Intelligent battery auto-repair function, extend battery lifespan

Model	PSI-500	PSI-800	PSI-1000	PSI-1500	PSI-2000	PSI-3000	PSI-5000	PSI-6000	PSI-7000
Rated Capacity (VA)	500	800	1000	1500	2000	3000	5000	6000	7000
Rated Power (W)	300	500	700	1050	1400	2100	3500	4200	5000
Transformer	C.R.G.O								
Interface	LCD								
Display Status	working & loading & battery								
Input	Voltage	140~275 Vac							
	Frequency	45~65 Hz							
Output	Voltage	220Vac ±1% for inverter; 220Vac ±8% for regulator							
	Frequency	50/60 Hz ± 0.5Hz, subject to the main							
	Wave form	Pure sine wave							
	Wave distortion	≤ 3%							
Protection	Overload	Yes							
	High temperature	Yes							
	Output high/low voltage	Yes							
	Battery low voltage	Yes							
	Battery	Over-charge, over-discharge, reversed polarity protection (optional)							
Short circuit	Yes								
Transfer Time	≤ 4ms								
Battery Voltage (DC)	12V	12V	12V	24V	24V	48V	48V	96V	96V
Charge Voltage	13.8V ±0.5V	13.8V ±0.5V	13.8V ±0.5V	27.6V ±0.5V	27.6V ±0.5V	55V±1 V	55V±1 V	110V± 2V	110V± 2V
Low Battery Voltage Limit	11V ±0.5V	11V ±0.5V	11V ±0.5V	22V ±1V	22V ±1V	44V ±1V	44V ±1V	88V ±2V	88V ±2V
Battery Low Voltage Protection Point	10.5V ±0.5V	10.5V ±0.5V	10.5V ±0.5V	21V ±1V	21V ±1V	42V ±1V	42V ±1V	84V ±2V	84V ±2V
Charge Current	Max. 10-20A Optional								
Cooling system	Yes								
Environmental	Operating temperature	0 - 40 °C							
	Relative humidity	10%~90% RH, non-condensing							

	Storage temperature	- 15 - 45 °C								
Appearance	Inverter size (mm)	390x142x210			400x200x285			440x242x392		
	Inverter N.W. (kg)	5.60	7.00	8.15	9.20	13.20	17.20	23.60	24.2	27
	Inner box size (mm)	440x183x260			475 x250x 400			525x310x475		
	Qty/Ctn	2			1			1		
	Carton size (mm)	465x405x285			475 x250x 400			525x310x475		
	Carton G.W. (kg)	13.60	16.40	18.30	20.60	14.00	18.00	25.20	25.4	28