

Pure Sine Wave DC to AC Power Inverter - P Series

Inverter Expert

P1000-1000W with USB

Features: ■



Input & output fully isolated. ◀

With USB output port ◀

High Surge: High surge current capability starts difficult loads such as TVs, ◀
camps, motors and other inductive loads.

Soft start: Smooth start-up of the appliances. ◀

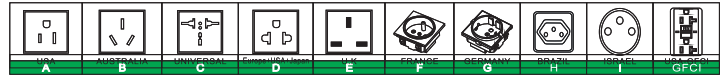
Pure Sine Wave Output Waveform: Clean power for sensitive loads. ◀

AC output identical to, and in some cases ◀
better than the power supplied by your utility.

Cooling Fan: Control by load or temperature (optional) ◀

Low Total Harmonic Distortion: below 3% ◀

AC Output Receptacles(optional)



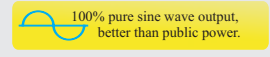
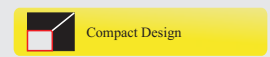
RoHS



2 YEAR LIMITED WARRANTY

■ SPECIFICATION:

MODEL		P1000-121	P1000-241	P1000-481	P1000-122	P1000-242	P1000-482
OUTPUT	AC VOLTAGE	100/110/120VAC			220/230/240VAC		
	RATED POWER	1000W					
	SURGE POWER	2000W(for few seconds)					
	USB	5V, 2.1A					
	WAVEFORM	Pure Sine Wave(THD<3%)					
	FREQUENCY	50/60Hz ±3Hz					
	AC REGULATION	±10%					
	STANDARD RECEPTACLES	A, B, C, D, E, F, G, H, I, GFCI(optional as above)					
	LED INDICATOR	Green for power on, red for failure / protection status indication					
NUMBER OF PHASE:		1					
INPUT	NO LOAD CURRENT DRAW	≤0.8A					
	DC VOLTAGE	12V	24V	48V	12V	24V	48V
	VOLTAGE RANGE	10.5~15.0VDC	21.0-30.0V DC	42~60V DC	10.5~15.0VDC	21.0-30.0V DC	42~60V DC
	EFFICIENCY (Typ.)	>87.0%	>90.0%	>90.0%	>90.0%	>90.0%	>90.0%
	FUSE	30A*4	15A*4	7.5A*4	30A*4	15A*4	7.5A*4
	DC CABLE	BVR4*2	BVR4*2	BVR4*2	BVR4*2	BVR4*2	BVR4*2
	PROTECTION	BAT.LOW ALARM	11 ±0.5V DC	22 ±1V DC	44 ±2V DC	11 ±0.5VDC	22 ±1V DC
BAT.LOW SHUTDOWN		10.5 ±0.5V DC	21.0 ±1V DC	42 ±2V DC	10.5 ±0.5VDC	21 ±1V DC	42 ±2V DC
OVERLOAD		Shutdown					
OVER VOLTAGE		14.8 ±0.5V DC	29.6 ±1V DC	58.4 ±2V DC	14.8 ±0.5VDC	29.6 ±1V DC	58.4 ±2V DC
OVER TEMPERATURE		Shut-off output voltage, recover automatically after temperature goes down					
SHORT CIRCUIT		Shut-off output voltage, repower on to recover					
BAT.REVERSE POLARITY		By fuse open					
SOFT START		Yes 5~10s					
EARTH LEAKAGE		Yes					
GROUND FAULT		Yes					
ENVIRONMENT	RESET VOLTAGE AFTER LVS	11.8~12.8V DC	23.6~25.6V DC	47.2~51.2V DC	11.8~12.8V DC	23.6~25.6V DC	47.2~51.2V DC
	WORKING TEMP.	-10-45°C					
	WORKING HUMIDITY	20%-90% RH non-condensing					
SAFETY & EMC	STORAGE TEMP.& HUMIDITY	-30°C-70°C 22° F-185° F、10-95%					
	SAFETY STANDARDS	UL458(only for GFCI receptacle)					
	ISOLATION RESISTANCE	I/P-O/P: 1000Ohms/500VDC					
	EMI CONDUCTION & RADIATION	Compliance to EN55022 Class A					
	EMS IMMUNITY	Compliance to EN61000-3-2, 3					
OTHERS	LVD	Compliance to EN60950-1: 2006+A11:2009					
	CERTIFICATION	IEC62109-2 Safety of power converters for use in photovoltaic power systems-Part 2: Particular requirements for inverters.					
	DIMENSION	293*150*97.5mm					
	PACKING	2.9Kg, 4pcs/14.4Kgs/Ctn(38.5*35*34cm)					
APPLICATION	COOLING FAN	Control by load/temperature(optional)					
	APPLICATION	Home and office appliances, Power tools and portable equipments, Vehicle and solar power systemsetc.					



INSTALLATION

