

Pure Sine Wave DC to AC Power Inverter - P Series

Inverter Expert **P3000U-3000W 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. ◀

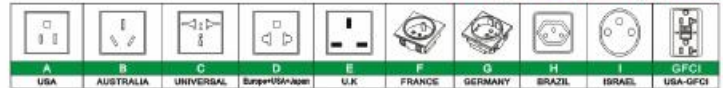
AC output identical to, and in some cases better than the power supplied by your utility. ◀

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

Low Total Harmonic Distortion: below 3% ◀

Remote Control: optional ◀

AC Output Receptacles(optional)



SPECIFICATION:

MODEL	P3000U-121	P3000U-241	P3000U-481	P3000U-122	P3000U-242	P3000U-482
AC VOLTAGE	100/110/120VAC			220/230/240VAC		
RATED POWER	3000W					
SURGE POWER	6000W (for few seconds)					
USB	5V, 500mA (optional)					
WAVEFORM	Pure Sine Wave (THD < 3%)					
FREQUENCY	50/60Hz ± 3Hz					
AC REGULATION	± 5%					
STANDARD RECEPTACLES	A, B, C, D, E, F, G, H, I, GFCI (optional as above)					
LED INDICATOR	Green for power on, red for failure or protection status indication					
NO LOAD CURRENT DRAW	≤ 1.6A					
DC VOLTAGE	12V	24V	48V	12V	24V	48V
VOLTAGE RANGE	10.5~15.0VDC	21.0~30.0VDC	42~60VDC	10.5~15.0VDC	21.0~30.0VDC	42~60VDC
EFFICIENCY (Typ)	> 87.0%	> 90.0%	> 90.0%	> 87.0%	> 90.0%	> 90.0%
FUSE	50A*6	25A*6	15A*6	50A*6	25A*6	15A*6
DC CABLE (60CM)	BVR4*6	BVR4*4	BVR4*6	BVR4*6	BVR4*4	BVR4*6
BAT LOW ALARM	11 ± 0.5VDC	22 ± 1VDC	44 ± 2VDC	11 ± 0.5VDC	22 ± 1VDC	44 ± 2VDC
BAT LOW SHUTDOWN	10.5 ± 0.5VDC	21.0 ± 1VDC	42 ± 2VDC	10.5 ± 0.5VDC	21.0 ± 1VDC	42 ± 2VDC
OVERLOAD	Shutdown					
OVER VOLTAGE	14.8 ± 0.5VDC	29.6 ± 1VDC	58.4 ± 2VDC	14.8 ± 0.5VDC	29.6 ± 1VDC	58.4 ± 2VDC
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					
GROUNDING PROTECTION	Yes					
RESET VOLTAGE AFTER LVS	11.8~12.8VDC	23.6~25.6VDC	47.2~51.2VDC	11.8~12.8VDC	23.6~25.6VDC	47.2~51.2VDC
WORKING TEMP.	0~40°C					
WORKING HUMIDITY	20%~90% RH non-condensing					
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: 1000 Ohms/500VDC					
EMI CONDUCTION & RADIATION	Compliance to EN55022 Class A					
EMS IMMUNITY	Compliance to EN61000-3-2, 3					
LVD	Compliance to EN60950-1: 2006+A11: 2009					
E-MARK	Compliance to E8*72/245/EBC, 95/54/EC					

SAFETY & EMC	REVERSE POLARITY	By fuse open		
	SOFT START	Yes 5~10s		
	EMI CONDUCTION & RADIATION	Compliance to EN55022 Class A		
	EMS IMMUNITY	Compliance to EN61000-3-2, 3		
OTHERS	REMOTE CONTROL	Switch with 5m wire (optional)		
	DIMENSION	460*230*108mm		
	PACKING	7Kg, 2pcs/19.5Kgs/Ctn(46*31.5*38.5cm)		
	COOLING FAN	Control by load/temperature (optional)		
INSTALLATION	APPLICATION	Home and office appliances, Power tools and portable equipments, Vehicle and solar power systems etc.		