

# Pure Sine Wave DC to AC Power Inverter - P Series

## Inverter Expert **P3000-3000W 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) ◀

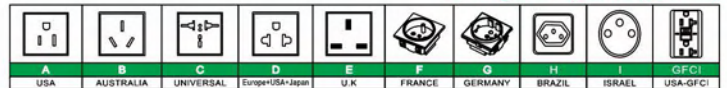
**Low Total Harmonic Distortion:** below 3% ◀

**Remote Control:** optional ◀

**AC Output Receptacles(optional)**

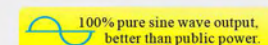
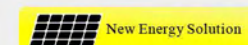
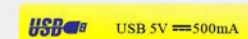
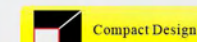
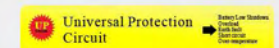


Optional



**SPECIFICATION:**

MODEL	P3000-121	P3000-241	P3000-481	P3000-122	P3000-242	P3000-482
AC VOLTAGE	100/110/120VAC			220/230/240VAC		
RATED POWER	3000W					
SURGE POWER	6000W(for few seconds)					
USB	5V, 2.1A(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	21.0~30.0V DC	42~60V DC	10.5~15.0VDC	21.0~30.0V DC	42~60V DC
EFFICIENCY (Typ.)	>87.0%	>90.0%	>90.0%	>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±0.5V DC	22±1V DC	44±2V DC	11±0.5V DC	22±1V DC	44±2V DC
BAT.LOW SHUTDOWN	10.5±0.5V DC	21.0±1V DC	42±2V DC	10.5±0.5V DC	21.0±1V DC	42±2V DC
OVERLOAD	Shutdown					
OVER VOLTAGE	14.8±0.5V DC	29.6±1V DC	58.4±2V DC	14.8±0.5V DC	29.6±1V DC	58.4±2V DC
OVER TEMPRETURE	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	11.8~12.8V 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.	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: 1000Ohms/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/EEC, 95/54/EC					
REMOTE CONTROL	Switch with 5m wire (optional)					
DIMENSION	488*230*108mm					
PACKING	7.8Kg, 2pcs/18.9Kgs/Ctn(56*32*40cm)					
COOLING FAN	Control by load/temperature(optional)					
APPLICATION	Home and office appliances, Power tools and portable equipments, Vehicle and solar power systems .....etc.					



INSTALLATION

