

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

### Inverter Expert **P2000U-2000W 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.

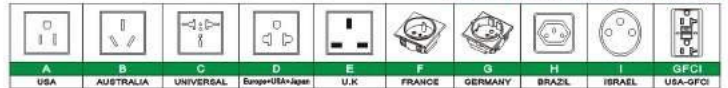
**AC output** identical to, and in some cases better than the power supplied by your utility.

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

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

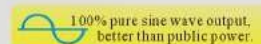
**Remote Control:** optional

**AC Output Receptacles(optional)**



**SPECIFICATION:**

MODEL	P2000U-121	P2000U-241	P2000U-481	P2000U-122	P2000U-242	P2000U-482
AC VOLTAGE	100/110/120VAC			220/230/240VAC		
RATED POWER	2000W					
SURGE POWER	4000W (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 / protection status indication					
NO LOAD CURRENT DRAW	≤ 1.2A					
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	40A*6	20A*6	10A*6	40A*6	20A*6	10A*6
DC CABLE	BVR4*2	BVR4*2	BVR4*2	BVR4*2	BVR4*2	BVR4*2
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 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					
RESET VOLTAGE AFTER LVS	11.8~12.8VDC	23.6~25.6V DC	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/EEC, 95/54/EC					
REMOTE CONTROL	Switch with 5m wire (optional)					
DIMENSION	405*230*108mm					
PACKING	6.35Kg, 2pcs/15.3Kgs/Ctn(46*31.5*38.5cm)					
COOLING FAN	Control by load/temperature (optional)					
APPLICATION	Home and office appliances, Power tools and portable equipments, Vehicle and solar power systems ..... etc.					



Note: If without USB, Model is P2000