

# PURE SINE WAVE POWER INVERTER - P SERIES

DC TO AC

Inverter Expert

## P1000-1000W with USB

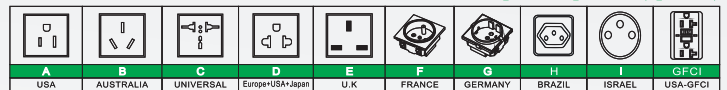


RoHS CE USB 2 YEAR LIMITED WARRANTY

**Features:**

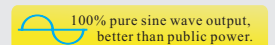
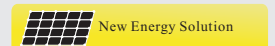
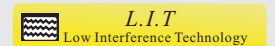
- Input & output fully isolated. ◀
- With USB output port ◀
- High Surge:** High surge current capability starts difficult loads such as TVs, camps, motors and other inductive loads. ◀
- Soft start:** Smooth start-up of the appliances. ◀
- Pure Sine Wave Output Waveform:** Clean power for sensitive loads. ◀
- 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)



**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  | ±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   |  |               |               |                |               |               |
| 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      | 44±2V DC      |
|               | BAT.LOW SHUTDOWN   | 10.5±0.5V DC   | 21.0±1V DC    | 42±2V DC      | 10.5±0.5VDC    | 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±0.5VDC    | 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  |               |               |                |               |               |
| EARTH LEAKAGE | 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.  | 0-40°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   |               |               |                |               |               |
|               | LVD  | Compliance to EN60950-1: 2006+A11:2009                                     |               |               |                |               |               |
| OTHERS        | E- MARK  | Compliance to E8*72/245/EEC, 95/54/EC                                      |               |               |                |               |               |
|               | DIMENSION  | 293*150*97.5mm   |               |               |                |               |               |
|               | PACKING  | 2.9Kg, 4pcs/14.4Kgs/Ctn(38.5*35*34cm)                                      |               |               |                |               |               |
|               | COOLING FAN  | Control by load/temperature(optional)                                      |               |               |                |               |               |
| APPLICATION   | Home and office appliances, Power tools and portable equipments, Vehicle and solar power systems .....etc. |  |               |               |                |               |               |



INSTALLATION



PURE SINE WAVE