

## 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. ◀

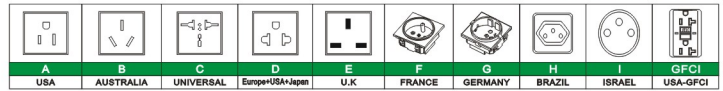
**AC output** identical to, and in some cases better than the power supplied by your utility. ◀

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

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

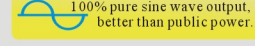
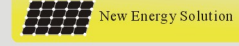
**Remote Control:** optional ◀

**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 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  |               |               |                |               |               |
| 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                  | 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