

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

### Inverter Expert **PX500-500W with USB**



#### Features: ■

- LCD digital display shows input and output data and fault alarm. ◀
- Isolation and EMI filtering design. ◀
- Ultra distance remote control within 1km by RS485 port. ◀
- Upgraded polarity reverse protection controlled by mosfet without burning fuse. ◀
- Host computer function (Optional) which can monitor totally 255 units of inverters. ◀
- The system parameters are adjustable by selection button. ◀
- Intelligent cooling fan with load and temperature controller both. ◀

#### AC Output Receptacles(optional)


| A   | B         | C         | D                | E   | F      | G       | H      | I      | J        |
|-----|-----------|-----------|------------------|-----|--------|---------|--------|--------|----------|
| USA | AUSTRALIA | UNIVERSAL | Europe+USA+Japan | U.K | FRANCE | GERMANY | BRAZIL | ISRAEL | USA-GFCI |





2 YEAR LIMITED WARRANTY


#### ■ SPECIFICATION:

| MODEL        |  | PX500-121  |  | PX500-122      |  | PX500-241                    |  | PX500-42       |  | PX500-481                    |  | PX500-482      |  |
|--------------|--|--|--|----------------|--|------------------------------|--|----------------|--|------------------------------|--|----------------|--|
| OUTPUT       | DCV                                    | 12V  |  |                |  | 24V                          |  |                |  | 48V                          |  |                |  |
|              | Voltage range                          | 10-15VDC   |  |                |  | 20-30VDC                     |  |                |  | 40-60VDC                     |  |                |  |
|              | No-load Current                        | ≤1A  |  |                |  |                              |  |                |  |                              |  |                |  |
|              | Convert efficiency                     | ≥90%   |  |                |  |                              |  |                |  |                              |  |                |  |
|              | Fuse                                   | 50A*2  |  |                |  | 25A*2                        |  |                |  | 15A*2                        |  |                |  |
|              | DC Wiring                              | BVR6*1   |  |                |  | BVR4*1                       |  |                |  | BVR2.5*1                     |  |                |  |
| INPUT        | ACV                                    | 100/110/120VAC   |  | 220/230/240VAC |  | 100/110/120VAC               |  | 220/230/240VAC |  | 100/110/120VAC               |  | 220/230/240VAC |  |
|              | Rated power                            | 500W   |  |                |  |                              |  |                |  |                              |  |                |  |
|              | Peak power                             | 1000W  |  |                |  |                              |  |                |  |                              |  |                |  |
|              | USB                                    | 5V, 2.1A   |  |                |  |                              |  |                |  | /                            |  |                |  |
|              | Waveform                               | Sine Wave (THD<3%)   |  |                |  |                              |  |                |  |                              |  |                |  |
|              | Frequency                              | 50/60Hz±0.5Hz  |  |                |  |                              |  |                |  |                              |  |                |  |
|              | ACV regulate rate                      | ±5%  |  |                |  |                              |  |                |  |                              |  |                |  |
|              | output socket                          | A, B, C,D, E, F, G,H, I, J, K, L, M, N, GFCI   |  |                |  |                              |  |                |  |                              |  |                |  |
|              | LED indicator                          | Green light: power indicator; red light: protection status and failure   |  |                |  |                              |  |                |  |                              |  |                |  |
|              | Remote controller function             | Default  |  |                |  |                              |  |                |  |                              |  |                |  |
|              | RS485                                  | optional   |  |                |  |                              |  |                |  |                              |  |                |  |
| PROTECTION   | LCD display                            | DC input voltage, AC output Voltage, AC output power, Baterry Charge, load rate, Interface code and fault code |  |                |  |                              |  |                |  |                              |  |                |  |
|              | Input low voltage alarm                | 11±0.5VDC, 10.5-11.5V settable   |  |                |  | 22±1VDC, 21-23V settable     |  |                |  | 44±2VDC, 42-46V settable     |  |                |  |
|              | Input low voltage protection           | 10.5±0.5VDC, 10-11V settable   |  |                |  | 21±1VDC, 20-22V settable     |  |                |  | 42±2VDC, 40-44V settable     |  |                |  |
|              | Input low voltage protection recovery  | 12±0.5VDC, 11.5-12.5V settable   |  |                |  | 24±1VDC, 23-25V settable     |  |                |  | 48±2VDC, 46-50V settable     |  |                |  |
|              | Input over voltage protection          | 15.3±0.5VDC, 15.2-16V settable   |  |                |  | 30.6±1VDC, 30.4-32V settable |  |                |  | 61.2±2VDC, 60.8-64V settable |  |                |  |
|              | Input over voltage protection recovery | 14.7±0.5VDC, 14.5-15V settable   |  |                |  | 29.4±1VDC, 29-30V settable   |  |                |  | 58.5±2VDC, 58-60V settable   |  |                |  |
|              | Overload/short-circuit protection      | Lock up after protection (default) or restart after protection   |  |                |  |                              |  |                |  |                              |  |                |  |
|              | Over temperature protection            | Close output, automatic restart after temperature reduction  |  |                |  |                              |  |                |  |                              |  |                |  |
|              | Input reversed protection              | OK, no respond   |  |                |  |                              |  |                |  |                              |  |                |  |
|              | Soft start                             | Yes,2-6S   |  |                |  |                              |  |                |  |                              |  |                |  |
| ENVIRONMENT  | Ground protection                      | Yes  |  |                |  |                              |  |                |  |                              |  |                |  |
|              | Work temperature                       | —20℃-50℃   |  |                |  |                              |  |                |  |                              |  |                |  |
|              | Work humidity                          | 20%-90%RH no condense  |  |                |  |                              |  |                |  |                              |  |                |  |
|              | Storage temperature & humidity         | —30-70℃,10%-95%RH  |  |                |  |                              |  |                |  |                              |  |                |  |
| SAFETY & EMC | 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   |  |                |  |                              |  |                |  |                              |  |                |  |
| OTHERS       | Size                                   | 284*150*78.6mm   |  |                |  |                              |  |                |  |                              |  |                |  |
|              | PACKING                                |  |  |                |  |                              |  |                |  |                              |  |                |  |
|              | REMOTE CONTROLLER                      | Optional   |  |                |  |                              |  |                |  |                              |  |                |  |
|              | COOLING FAN                            | Control by load/temperature(optional)  |  |                |  |                              |  |                |  |                              |  |                |  |
|              | APPLICATION                            | Home and office appliances,Power tools and portable equipments,Vehicle and solar power systems...etc.          |  |                |  |                              |  |                |  |                              |  |                |  |

 Soft Start

 High Efficiency

 Turbo Cooling fan


 Universal Protection Circuit


Battery Low Shutdown


Low Voltage

Over Voltage

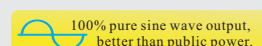
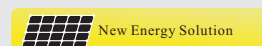
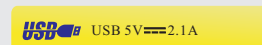
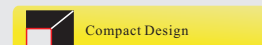
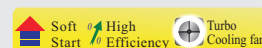
Over temperature

 Compact Design

 L.I.T  
Low Interference Technology

 USB

USB 5V=2.1A



#### INSTALLATION

