



## DC-AC Inverter Pure Sine Wave

|       |                 |
|-------|-----------------|
| Model | PST-150-12      |
|       | 12 VDC- 120 VAC |
|       | PST-150-24      |
|       | 24 VDC- 120 VAC |

## Design Features

- High efficiency
- 2x surge
- Temperature controlled cooling fan – reduces energy consumption
- Low RF emissions
- Wide operating DC input range: 10.5 - 16.5 VDC / 21.0 - 33.0 VDC
- LED indicators for power and protections
- Low idle power draw
- Two AC outlets
- Commercial grade design suitable for heavy duty loads, long periods of continuous operation & for emergency back up
- UPC – Universal Protection Circuit: low voltage, over voltage, over temperature, over load and short circuit.
- Detachable cable with 12V plug adapter
- Detachable cable with battery clamps
- Safety certified to UL & CSA standards, FCC compliant

**2 YEAR LIMITED WARRANTY**



| MODEL NO.                   |   | PST-150-12  | PST-150-24                        |
|-----------------------------|---|---|-----------------------------------|
| OUTPUT                      | OUTPUT VOLTAGE                                | 120 VAC $\pm$ 3%  | 120 VAC $\pm$ 3%                  |
|                             | MAXIMUM OUTPUT CURRENT                        | 1.25A   | 1.25A                             |
|                             | OUTPUT FREQUENCY                              | 60 Hz $\pm$ 1%  | 60 Hz $\pm$ 1%                    |
|                             | TYPE OF OUTPUT WAVEFORM                       | Pure Sine Wave  | Pure Sine Wave                    |
|                             | TOTAL HARMONIC DISTORTION OF OUTPUT WAVEFORM  | < 3%  | < 3%                              |
|                             | CONTINUOUS OUTPUT POWER (At Power Factor = 1) | 150 Watts   | 150 Watts                         |
|                             | SURGE OUTPUT POWER                            | 300 Watts (< 8 ms)  | 300 Watts (< 8 ms)                |
|                             | PEAK EFFICIENCY                               | 87%   | 89%                               |
| INPUT                       | AC OUTPUT CONNECTIONS                         | 2 x NEMA5-15R Outlets   | 2 x NEMA5-15R Outlets             |
|                             | NOMINAL DC INPUT VOLTAGE                      | 12V   | 24V                               |
|                             | DC INPUT VOLTAGE RANGE                        | 10.5 - 16.5 VDC   | 21 - 33 VDC                       |
|                             | MAXIMUM INPUT CURRENT                         | 20A   | 10A                               |
|                             | DC INPUT CURRENT AT NO LOAD                   | < 500 mA  | < 400 mA                          |
| DISPLAY                     | DC INPUT CONNECTIONS                          | Tubular Type Screw Down Terminals   | Tubular Type Screw Down Terminals |
|                             | LED   | Power, Abnormal   | Power, Abnormal                   |
| PROTECTIONS                 | LOW DC INPUT VOLTAGE ALARM                    | 10.5V   | 21V                               |
|                             | LOW DC INPUT VOLTAGE SHUTDOWN                 | 10V ; Auto reset at 11.5V   | 20V; Auto reset at 23V            |
|                             | HIGH DC INPUT VOLTAGE SHUTDOWN                | 16.5V ; Auto reset at < 16.5V   | 33V ; Auto reset at < 33V         |
|                             | SHORT CIRCUIT SHUTDOWN                        | When output voltage drops to 80VAC for 5 sec  |                                   |
|                             | OVERLOAD SHUTDOWN                             | At overload of 110% to 115% for 2 to 2.5 sec  |                                   |
|                             | GROUND FAULT SHUTDOWN                         | Yes (Load should be powered using power cord with NEMA5-15P plug)                                     |                                   |
|                             | OVER TEMPERATURE SHUTDOWN                     | At internal hot spot Temp of 95°C ; Auto reset at 70°C  |                                   |
|                             | REVERSE POLARITY ON DC INPUT SIDE             | Internal DC side fuse will blow   |                                   |
| COOLING                     | INTERNAL DC SIDE FUSE                         | Automotive Blade Type; 32V; Interrupting Capacity 1000A @ 23V; Littell Fuse Type "ATO", 287 Series    |                                   |
|                             |   | 20A / 32V   | 10A / 32V                         |
| FORCED AIR COOLING          |   | Temperature Controlled Fan - ON at internal hot spot $\geq$ 48°C ; OFF at 42°C                        |                                   |
| COMPLIANCE                  | SAFETY  | Intertek - ETL Listed. Conforms to ANSI/UL Standard 60950-1; Certified to CSA STD. C22-2 No. 60950-1. |                                   |
|                             | EMI / EMC                                     | FCC Part 15(B), Class B   |                                   |
| OPERATING TEMPERATURE RANGE |   | -20°C to 40°C / -4°F to 104°F   |                                   |
| DIMENSIONS                  | (W x D x H), MM                               | 155 x 211 x 65.5  |                                   |
|                             | (W x D x H), INCHES                           | 6.1 x 8.31 x 2.58   |                                   |
| WEIGHT                      | KG  | 1.27  |                                   |
|                             | LBS   | 2.8   |                                   |

NOTE: Specifications are subject to change without notice

12001-PST-150-12-24-0216