



DC-AC Inverter Pure Sine Wave

| | |
|-------|------------------|
| Model | PST-1000-12 |
| | 12 VDC - 120 VAC |
| | PST-1000-24 |
| | 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: 10.7 - 16.5 VDC / 21.4 - 33.0 VDC
- 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.
- Low idle power draw
- Dual GFCI protected AC outlets
- Optional remote control (sold separately): Model RC-15A
- Comes with pin-type battery cable lugs
- Safety certified to UL & CSA standards, FCC compliant

3 YEAR LIMITED WARRANTY



| | MODEL NO. | PST-1000-12 | PST-1000-24 | |
|-------------|---|--|-------------------------------------|---------------------|
| OUTPUT | OUTPUT VOLTAGE | 120 VAC ± 3% | 120 VAC ± 3% | |
| | MAXIMUM OUTPUT CURRENT | 8.5A | 8.5A | |
| | OUTPUT FREQUENCY | 60 Hz ± 1% | 60 Hz ± 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) | 1000 Watts | 1000 Watts | |
| | SURGE OUTPUT POWER | 2000 Watts (< 8 ms) | 2000 Watts (< 8 ms) | |
| | PEAK EFFICIENCY | > 85% | > 85% | |
| INPUT | AC OUTPUT CONNECTIONS | NEMA5-20R GFCI Duplex Outlets | NEMA5-20R GFCI Duplex Outlets | |
| | NOMINAL DC INPUT VOLTAGE | 12V | 24V | |
| | DC INPUT VOLTAGE RANGE | 10.7 - 16.5 VDC | 21.4 - 33 VDC | |
| | MAXIMUM INPUT CURRENT | 160A | 80A | |
| | DC INPUT CURRENT AT NO LOAD | < 800 mA | < 600 mA | |
| DISPLAY | DC INPUT CONNECTIONS | Tubular hole diameter: 11 mm / 0.433" ; M8 Set Screw | | |
| | LED | Power, Overload, Over Temperature | Power, Overload, Over Temperature | |
| PROTECTIONS | LOW DC INPUT VOLTAGE ALARM | 10.7V ± 0.1V | 21.4V ± 0.2V | |
| | LOW DC INPUT VOLTAGE SHUTDOWN | 10V ± 0.1V ; Auto-reset: 11.5V ± 0.3V | 20V ± 0.2V ; Auto-reset: 23V ± 0.5V | |
| | HIGH DC INPUT VOLTAGE SHUTDOWN | 16.5V ; Auto-reset: < 16.5V | 33V ; Auto-reset: < 33V | |
| | SHORT CIRCUIT SHUTDOWN | When output voltage drops to 80V or lower for up to 2.5 sec | | |
| | OVERLOAD SHUTDOWN | At overload of 110% to 115% for 2 to 2.5 sec | | |
| | GROUND FAULT SHUTDOWN | Through GFCI outlets (5 to 6 mA leakage) | | |
| | OVER TEMPERATURE SHUTDOWN | 90°C ± 5°C ; Auto reset at 65°C ± 5°C | | |
| REMOTE | REVERSE POLARITY ON DC INPUT SIDE | External / internal DC sides fuses will blow | | |
| COOLING | WIRED REMOTE CONTROL (OPTIONAL) | RC-15A (sold separately) with 15' cable | | |
| | FORCED AIR COOLING | Temperature controlled fan Fan ON at 55°C ± 3°C; Fan OFF at 45°C ± 3°C | | |
| COMPLIANCE | SAFETY | Intertek - ETL Listed. Conforms to ANSI/UL Standard 458 and certified to CSA Standard C22.2 No. 107.1-01 | | |
| | EMI / EMC | FCC Part 15(B), Class B | | |
| ENVIRONMENT | OPERATING TEMPERATURE RANGE | Operating temperature -20 to 40°C / -4 to 104°F | | |
| | | Storage temperature -30 to 70°C / -22 to 158°F | | |
| DIMENSIONS | | 90% relative humidity non-condensing | | |
| | | (W X D X H), MM | 238 x 397 x 82 | 238 x 397 x 82 |
| WEIGHT | | (W X D X H), INCHES | 9.37 x 15.63 x 3.23 | 9.37 x 15.63 x 3.23 |
| | | KG | 4.0 | 4.0 |
| | | LBS | 8.8 | 8.8 |

NOTE: Specifications are subject to change without notice

12001-PST-1000-12-24-1119