



Clean and reliable AC Power identical to household electricity. Commercial grade design suitable for heavy duty loads & long periods of continuous operation.

DC-AC Inverter Pure Sine Wave

| | |
|-------|-----------------|
| Model | PST-3000-12 |
| | 12 VDC- 120 VAC |
| | PST-3000-24 |
| | 24 VDC- 120 VAC |

Design Features

- High efficiency & low RF emissions
- Can be hard wired
- 2x Surge
- Wide DC input range
- Dual GFCI Protected Outlets
- Wide temperature operating range -20 to +40°C / -4 to +104°F
- Temperature controlled cooling fan
- Low idle power draw
- Remote Input – Use to turn inverter ON or OFF with ignition start or any other Remote ON/OFF switch
- Optional LCD remote control, model RC-300
- UPC – Universal Protection Circuit: low voltage, over voltage, over temperature, over load and short circuit
- Safety certified to UL & CSA standards, FCC compliant

3 YEAR LIMITED WARRANTY



| | MODEL NO. | PST-3000-12 | PST-3000-24 |
|-----------------------------------|---|---|--|
| OUTPUT | OUTPUT VOLTAGE | 120 VAC ± 3% | 120 VAC ± 3% |
| | MAXIMUM OUTPUT CURRENT | 25A | 25A |
| | 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) | 3000 Watts | 3000 Watts |
| | SURGE OUTPUT POWER | 6000 Watts (< 8 ms) | 6000 Watts (< 8 ms) |
| | PEAK EFFICIENCY | > 85% | > 88% |
| | AC OUTPUT CONNECTIONS | NEMA5-20R GFCI Duplex Outlets, Terminal Block for hardwiring | NEMA5-20R GFCI Duplex Outlets, Terminal Block for hardwiring |
| INPUT | NOMINAL DC INPUT VOLTAGE | 12V | 24V |
| | DC INPUT VOLTAGE RANGE | 10.7 - 16.5 VDC | 21.4 - 33 VDC |
| | MAXIMUM INPUT CURRENT | 360A | 180A |
| | DC INPUT CURRENT AT NO LOAD | < 1.6A | < 1.0A |
| | DC INPUT CONNECTIONS | Bolt & Nut: 5/16" x 18 TPI | Bolt & Nut: 5/16" x 18 TPI |
| | DC INPUT FUSES (INTERNAL) | 12 X 30A = 360A (Each Type ATC, 32V, 30A) | 12 x 15A = 180A (Each Type ATC, 32V, 15A) |
| DISPLAY | 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 80VAC or lower for 1 to 1.5 sec | |
| | OVERLOAD SHUTDOWN | At overload of 110% to 115% for 2 to 2.5 sec | |
| | GROUND FAULT SHUTDOWN | Only on GFCI outlets (5 to 6 mA leakage) | |
| | OVER TEMPERATURE SHUTDOWN | 90°C ± 5°C (Sensed at Transformer T3) ; Auto-reset at 65°C ± 5°C | |
| REVERSE POLARITY ON DC INPUT SIDE | External / internal DC sides fuses will blow | | |
| REMOTE CONTROL | WIRED REMOTE CONTROL WITH LED / LED DISPLAY WIRED ON / OFF CONTROL | RC-300 (sold separately) with 25' cable (i) By switching external contact (ii) By switching external 12V/24V signal | |
| COOLING | FORCED AIR COOLING | Temperature controlled fan (Sensed at Transformer T6) 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 STD C22.2 No. 107.1-01 | |
| | EMI / EMC | FCC Part 15(B), Class A | |
| ENVIRONMENT | OPERATING TEMPERATURE RANGE | Operating temperature -20 to 40°C / -4 to 104°F Storage temperature -30 to 70°C / -22 to 158°F 90% relative humidity non-condensing | |
| DIMENSIONS | (W X D X H), MM | 263 x 456.5 x 145 | 263 x 456.5 x 145 |
| | (W X D X H), INCHES | 10.35 x 17.97 x 5.71 | 10.35 x 17.97 x 5.71 |
| WEIGHT | KG | 9.8 | 9.8 |
| | LBS | 21.6 | 21.6 |

NOTE: Specifications are subject to change without notice

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