



samlexamerica®

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

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

2 YEAR LIMITED WARRANTY



	MODEL NO.	PST-3000-12	PST-3000-24
OUTPUT	OUTPUT VOLTAGE	120 VAC \pm 3%	120 VAC \pm 3%
	MAXIMUM OUTPUT CURRENT	25A	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)	3000 Watts	3000 Watts
	SURGE OUTPUT POWER	6000 Watts (< 8 ms)	6000 Watts (< 8 ms)
	PEAK EFFICIENCY	> 85%	> 88%
INPUT	AC OUTPUT CONNECTIONS	NEMA5-20R GFCI Duplex Outlets, Terminal Block for hardwiring	NEMA5-20R GFCI Duplex Outlets, Terminal Block for hardwiring
	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
DISPLAY	DC INPUT FUSES (INTERNAL)	12 X 30A = 360A (Each Type ATC, 32V, 30A)	12 x 15A = 180A (Each Type ATC, 32V, 15A)
	LED	Power, Overload, Over Temperature	Power, Overload, Over Temperature
PROTECTIONS	LOW DC INPUT VOLTAGE ALARM	10.7V \pm 0.1V	21.4V \pm 0.2V
	LOW DC INPUT VOLTAGE SHUTDOWN	10V \pm 0.1V ; Auto-reset: 11.5V \pm 0.3V	20V \pm 0.2V ; Auto-reset: 23V \pm 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 \pm 5°C (Sensed at Transformer T3) ; Auto-reset at 65°C \pm 5°C	
REMOTE CONTROL	REVERSE POLARITY ON DC INPUT SIDE	External / internal DC sides fuses will blow	
	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 \pm 3°C; Fan OFF at 45°C \pm 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	-20°C to 40°C / -4°F to 104°F	-20°C to 40°C / -4°F to 104°F
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

12001-PST-3000-12-24-0216