



samlexamerica®

3000W



DC-AC Inverter Pure Sine Wave

Model
PST-3000-12NR 12 VDC- 120 VAC
PST-3000-24NR 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
- 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.

3 YEAR LIMITED WARRANTY



	MODEL NO.	PST-3000-12NR	PST-3000-24NR
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%
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
	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 ON / OFF CONTROL	(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 UL Standard 458 and certified to CSA Std. C22.2 No. 107.1	
	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

12001-PST-3000-12NR-24NR-0322