



samlexamerica®

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 $\pm$ 3%	120 VAC $\pm$ 3%
	MAXIMUM OUTPUT CURRENT	8.5A	8.5A
	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)	1000 Watts	1000 Watts
	SURGE OUTPUT POWER	2000 Watts (< 8 ms)	2000 Watts (< 8 ms)
INPUT	PEAK EFFICIENCY	> 85%	> 85%
	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
	DC INPUT CONNECTIONS	Tubular hole diameter: 11 mm / 0.433" ; M8 Set Screw	
DISPLAY	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 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 $\pm$ 5°C ; Auto reset at 65°C $\pm$ 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	
COMPLIANCE	FORCED AIR COOLING	Temperature controlled fan Fan ON at 55°C $\pm$ 3°C; Fan OFF at 45°C $\pm$ 3°C	
	SAFETY	Intertek - ETL Listed. Conforms to UL Standard 458 and certified to CSA Std. C22.2 No. 107.1	
ENVIRONMENT	EMI / EMC	FCC Part 15(B), Class B	
	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	238 x 397 x 82	238 x 397 x 82
	(W X D X H), INCHES	9.37 x 15.63 x 3.23	9.37 x 15.63 x 3.23
WEIGHT	KG	4.0	4.0
	LBS	8.8	8.8

NOTE: Specifications are subject to change without notice

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