



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

2 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)
	PEAK EFFICIENCY	> 85%	> 85%
	AC OUTPUT CONNECTIONS	NEMA5-20R GFCI Duplex Outlets	NEMA5-20R GFCI Duplex Outlets
	INPUT	NOMINAL DC INPUT VOLTAGE	12V
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	
REVERSE POLARITY ON DC INPUT SIDE	External / internal DC sides fuses will blow		
REMOTE	WIRED REMOTE CONTROL (OPTIONAL)	RC-15A (sold separately) with 15' cable	
COOLING	FORCED AIR COOLING	Temperature controlled fan 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 Standard C22.2 No. 107.1-01	
	EMI / EMC	FCC Part 15(B), Class B	
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	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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