



samlexamerica®

# 1000W



**DC-AC Inverter**  
**⚡ Pure Sine Wave**

Model  
**PST-1000F-12**  
12 VDC - 120 VAC

### Design Features

- Wide operating temperature range: -13°F to 131°F / -25°C to +55°C
- Wide operating DC input range: 10.7 - 16.5 VDC
- Ignition ON/OFF - 1 wire input
- High efficiency and low interference
- Temperature controlled cooling fan – reduces energy consumption
- 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

**3 YEAR LIMITED WARRANTY**



MODEL NO.		PST-1000F-12
OUTPUT	OUTPUT VOLTAGE	120 VAC ± 3%
	MAXIMUM OUTPUT CURRENT	8.5A
	OUTPUT FREQUENCY	60 Hz ± 1%
	TYPE OF OUTPUT WAVEFORM	Pure Sine Wave
	TOTAL HARMONIC DISTORTION OF OUTPUT WAVEFORM	< 3%
	CONTINUOUS OUTPUT POWER (At Power Factor = 1)	1000 Watts
	SURGE OUTPUT POWER (At Power Factor = 1; <8 ms)	2000 Watts
	PEAK EFFICIENCY (At full load)	85%
INPUT	AC OUTPUT CONNECTIONS	NEMA5-20R GFCI Duplex Outlets
	NOMINAL DC INPUT VOLTAGE	12V
	DC INPUT VOLTAGE RANGE	10.7 - 16.5 VDC
	MAXIMUM INPUT CURRENT	160A
	DC INPUT CURRENT AT NO LOAD	< 800 mA
DISPLAY	DC INPUT CONNECTIONS	Tubular Type Screw Down Terminals (Hole diameter: 7/16"; Set screw: 5/16" X 24 TPI / 1/2" Long ; Slotted Head)
	LED	Power, Overload, Over Temperature
PROTECTIONS	LOW DC INPUT VOLTAGE ALARM	10.7V ± 0.1V
	LOW DC INPUT VOLTAGE SHUTDOWN	10V ± 0.1V. Auto reset at 11.5 ± 0.3V
	HIGH DC INPUT VOLTAGE SHUTDOWN	16.5V. Auto reset at < 16.5V
	SHORT CIRCUIT SHUTDOWN	Output voltage drops to 80 VAC or lower for 1 to 1.5 sec.
	OVERLOAD SHUTDOWN	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 ± 5°C ; Auto reset at 65°C ± 5°C (Temperature is sensed at internal hot spot)
REMOTE	REVERSE POLARITY ON DC INPUT SIDE	External / Internal DC side fuses will blow
	WIRED REMOTE CONTROL (OPTIONAL)	RC-15A
COOLING	REMOTE ON/OFF CONTROL	<ul style="list-style-type: none"> <li>• By switching external, potential free contact (2 wires)</li> <li>• By switching 10-33 VDC signal (2 wires)</li> <li>• By switching +12V signal from battery (1 wire)</li> </ul>
	FORCED AIR COOLING	Temperature Controlled Fan. 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 B
ENVIRONMENT	WORKING ENVIRONMENT	Indoor use
	OPERATING TEMPERATURE RANGE AND HUMIDITY	-13°F to 131°F / -25°C to +55°C ; 90% RH, non condensing
	STORAGE TEMPERATURE AND HUMIDITY	-22°F to 158°F / -30°C to +70°C ; 90% RH, non condensing
DIMENSIONS	(W X D X H), MM	238 x 397 x 82
	(W X D X H), INCHES	9.37 x 15.63 x 3.23
WEIGHT	KG	4.0
	LBS	8.8

NOTE: Specifications are subject to change without notice

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