



**samlexamerica®**

# 2000W



## DC-AC Inverter Pure Sine Wave

Model
PST-2000-12 12 VDC- 120 VAC
PST-2000-24 24 VDC- 120 VAC

### Design Features

- High efficiency
- Can be hard wired
- Temperature controlled cooling fan – reduces energy consumption
- Low interference
- 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-200
- Safety certified to UL standards, FCC compliant

**2 YEAR WARRANTY**



	MODEL NO.	PST-2000-12	PST-2000-24
<b>OUTPUT</b>	OUTPUT VOLTAGE	120 VAC ± 3%	120 VAC ± 3%
	MAXIMUM OUTPUT CURRENT	16.7A	16.7A
	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)	2000 Watts	2000 Watts
	SURGE OUTPUT POWER (At Power Factor = 1; < 1 sec)	3500 Watts	3500 Watts
	PEAK EFFICIENCY (At full load)	85%	85%
	AC OUTPUT CONNECTIONS	NEMA5-20R GFCI Duplex Outlets, Terminal Block for hardwiring	NEMA5-20R GFCI Duplex Outlets, Terminal Block for hardwiring
<b>INPUT</b>	NOMINAL DC INPUT VOLTAGE	12V	24V
	DC INPUT VOLTAGE RANGE	10.7 - 16.5 VDC	21.4 - 33 VDC
	MAXIMUM INPUT CURRENT	240A	120A
	DC INPUT CURRENT AT NO LOAD	< 1.0A	< 0.8A
	DC INPUT CONNECTIONS	Bolt & Nut: 5/16" x 18 TPI	Bolt & Nut: 5/16" x 18 TPI
	DC INPUT FUSES (INTERNAL)	6 X 40A = 240A (Each Type ATC, 32V, 40A)	6 x 20A = 120A (Each Type ATC, 32V, 20A)
<b>DISPLAY</b>	LED	Power, Overload, Over Temperature	Power, Overload, Over Temperature
<b>PROTECTIONS</b>	LOW DC INPUT VOLTAGE ALARM	10.7V	21.4V
	LOW DC INPUT VOLTAGE SHUTDOWN	10V	20V
	HIGH DC INPUT VOLTAGE SHUTDOWN	16.5V	33V
	SHORT CIRCUIT SHUTDOWN	Yes	Yes
	OVERLOAD SHUTDOWN	Yes	Yes
	GROUND FAULT SHUTDOWN	Yes	Yes
	OVER TEMPERATURE SHUTDOWN	Yes	Yes
	REVERSE POLARITY ON DC INPUT SIDE	Yes	Yes
<b>REMOTE</b>	WIRED REMOTE CONTROL (OPTIONAL)	RC-200 (sold separately)	
<b>COOLING</b>	FORCED AIR COOLING	Temperature Controlled Fan	Temperature Controlled Fan
<b>COMPLIANCE</b>	SAFETY	Intertek - ETL Listed. Conforms to ANSI/UL Standard 458.	
	EMI / EMC	FCC Part 15(B), Class B	
<b>ENVIRONMENT</b>	OPERATING TEMPERATURE RANGE	0°C to 40°C / 32°F to 104°F	0°C to 40°C / 32°F to 104°F
<b>DIMENSIONS</b>	(L X W X H), MM	468.2 x 263 x 105.6	468.2 x 263 x 105.6
	(L X W X H), INCHES	18.43 x 10.35 x 4.16	18.43 x 10.35 x 4.16
<b>WEIGHT</b>	KG	7.1	7.1
	LBS	15.6	15.6

NOTE: Specifications are subject to change without notice

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