



## 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
- Temperature controlled cooling fan – reduces energy consumption
- Low interference
- Wide operating DC input range: 10.5 - 16.5 VDC / 21.0 - 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 standards, FCC compliant

2 YEAR WARRANTY



	MODEL NO.	PST-1000-12	PST-1000-24
OUTPUT	OUTPUT VOLTAGE	120 VAC ± 3%	120 VAC ± 3%
	MAXIMUM OUTPUT CURRENT	8.5A	8.5A
	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)	1000 Watts	1000 Watts
	SURGE OUTPUT POWER (At Power Factor = 1; <1 sec)	2000 Watts	2000 Watts
	PEAK EFFICIENCY (At full load)	85%	85%
	AC OUTPUT CONNECTIONS	NEMA5-20R GFCI Duplex Outlets	NEMA5-20R GFCI Duplex Outlets
INPUT	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 Type Screw Down Terminals	Tubular Type Screw Down Terminals
DISPLAY	LED	Power, Overload, Over Temperature	Power, Overload, Over Temperature
PROTECTIONS	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
REMOTE	WIRED REMOTE CONTROL (OPTIONAL)	RC-15A (sold separately)	
COOLING	FORCED AIR COOLING	Temperature Controlled Fan	Temperature Controlled Fan
COMPLIANCE	SAFETY	Intertek - ETL Listed. Conforms to ANSI/UL Standard 458.	
	EMI / EMC	FCC Part 15(B), Class B	
ENVIRONMENT	OPERATING TEMPERATURE RANGE	0°C to 40°C / 32°F to 107°F	0°C to 40°C / 32°F to 107°F
DIMENSIONS	(L X W X H), MM	397 x 240.6 x 82	397 x 240.6 x 82
	(L X W X H), INCHES	15.63 x 9.47 x 3.23	15.63 x 9.47 x 3.23
WEIGHT	KG	4.0	4.0
	LBS	8.8	8.8

NOTE: Specifications are subject to change without notice