



samlexamerica®

1000W

DC-AC Inverter Pure Sine Wave

Model
PST-1000-12HD
12 VDC- 120 VAC

Product Features

- Selectable low voltage shutdown settings (battery protection)
- Enable/Disable Buzzer DIP Switch
- Commercial-grade, suitable for heavy duty loads, long periods of continuous operation & for emergency back up
- Hardwire connection for choice & flexibility in installation
- Low voltage alarm and alarm buzzer disable switch
- Compact design, ideal for small spaces
- Wide operating DC input range: 10.0 - 18.0 VDC
- Wide operating temperature range: -13°F to 131°F / -25°C to +55°C
- GFCI protected AC outlets
- Ignition ON/OFF - 1 wire input
- Temperature controlled cooling fan – reduces energy consumption
- Universal Protection Circuit: low voltage, over temperature, overload and short circuit
- Low idle power draw
- Optional remote control (sold separately): Model RC-15A

3 YEAR LIMITED WARRANTY



MODEL NO.		PST-1000-12HD
OUTPUT	OUTPUT VOLTAGE	120 VAC $\pm$ 3%
	MAXIMUM OUTPUT CURRENT	8.5A
	OUTPUT FREQUENCY	60 Hz $\pm$ 1%
	TYPE OF OUTPUT WAVEFORM	Pure Sine Wave
	TOTAL HARMONIC DISTORTION OF OUTPUT WAVEFORM	< 2%
	CONTINUOUS OUTPUT POWER	1000 Watts
	SURGE OUTPUT POWER (At Power Factor = 1; <8 ms)	2000 Watts
	PEAK EFFICIENCY	> 88%
	AC OUTPUT CONNECTIONS	(i) NEMA5-20R GFCI Duplex Receptacle (ii) Terminal block for hardwiring: Hole diameter (4 mm / 0.16") and Set Screw (#6 x 40TPI or M3.5 x 0.6 mm Pitch)
INPUT	NOMINAL DC INPUT VOLTAGE	12V
	DC INPUT VOLTAGE RANGE	10 - 18 VDC
	MAXIMUM INPUT CURRENT	160A
	DC INPUT CURRENT AT NO LOAD	< 0.9A
	DC INPUT CONNECTIONS	Tubular hole diameter: 7/16" ; 1/2" long; PIN Lugs included
DISPLAY	LED	Power, Overload, Over Temperature
PROTECTIONS	LOW DC INPUT VOLTAGE ALARM	10.7V $\pm$ 0.1V Disable / Enable buzzer with DIP SWITCH 2
	LOW DC INPUT VOLTAGE SHUTDOWN	DIP SWITCH 1 OFF = 11.5V $\pm$ 0.1V Auto-reset = 12.8V $\pm$ 0.3V DIP SWITCH 1 ON = 10.0V $\pm$ 0.1V Auto-reset = 11.5V $\pm$ 0.3V
	DC INPUT VOLTAGE SHUTDOWN	18V ; Auto-reset: < 17.5V
	SHORT CIRCUIT SHUTDOWN	When output voltage drops to 80V or lower for 1 to 1.5 sec
	OVERLOAD SHUTDOWN	110% to 115% for 2 to 2.5 sec
	GROUND FAULT INTERRUPT	GFCI outlets (4 to 6 mA leakage)
	OVER TEMPERATURE SHUTDOWN	(Sensed at internal hot spot) Auto reset
	DC INPUT REVERSE POLARITY	Internal DC side fuse will blow
REMOTE	WIRED REMOTE CONTROL (OPTIONAL)	• RC-15A (Sold separately) with LED Display. 5m/16.5' cable included • 2-Wire and 1-Wire On/Off control connected through Hard Wiring Terminal Block
COOLING	FORCED AIR COOLING	Temperature controlled fans
COMPLIANCE	SAFETY	Intertek - ETL Listed. Conforms to UL Std. UL 458 and certified to CSA Std. C22.2 No. 107.1
	EMI / EMC	FCC Part 15(B), Class B
ENVIRONMENT	OPERATING TEMPERATURE RANGE	-25 to 55°C / -13 to 131°F
	STORAGE TEMPERATURE	-30 to 70°C / -22 to 158°F
	RELATIVE HUMIDITY	90%, non condensing
DIMENSIONS	(W X D X H), MM	333 x 238 x 82
	(W X D X H), INCHES	13.11 x 9.37 x 3.23
WEIGHT	KG	3.78
	LBS	8.33

NOTE: Specifications are subject to change without notice

12001-PST-1000-12HD-0624