



samlexamerica®

300W



DC-AC Inverter Pure Sine Wave

Model
PST-300-12
12 VDC - 120 VAC
PST-300-24
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
- LED indicators for power and protections
- Low idle power draw
- Dual GFCI protected AC outlets
- 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.
- Detachable cable with 12V plug adapter
- Detachable cable with battery clamps
- Safety certified to UL standards, FCC compliant

2 YEAR WARRANTY



MODEL NO.		PST-300-12	PST-300-24
OUTPUT	OUTPUT VOLTAGE	120 VAC $\pm$ 3%	120 VAC $\pm$ 3%
	MAXIMUM OUTPUT CURRENT	2.54A	2.54A
	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)	300 Watts	300 Watts
	SURGE OUTPUT POWER (At Power Factor = 1; <1 sec)	500 Watts	500 Watts
	PEAK EFFICIENCY (At full load)	88%	88%
AC OUTPUT CONNECTIONS		NEMA-20R GFCI Duplex Outlets	NEMA-20R GFCI Duplex Outlets
INPUT	NOMINAL DC INPUT VOLTAGE	12V	24V
	DC INPUT VOLTAGE RANGE	10.5 - 16.5 VDC	21 - 33 VDC
	MAXIMUM INPUT CURRENT	40A	20A
	DC INPUT CURRENT AT NO LOAD	< 500 mA	< 400 mA
	DC INPUT CONNECTIONS	Tubular Type Screw Down Terminals	Tubular Type Screw Down Terminals
DISPLAY	LED	Power, Abnormal	Power, Abnormal
PROTECTIONS	LOW DC INPUT VOLTAGE ALARM	10.5V	21V
	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
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 to 40°C	0 to 40°C
DIMENSIONS	(L X W X H), MM	246 x 146.3 x 65.5	246 x 146.3 x 65.5
	(L X W X H), INCHES	9.69 x 5.76 x 2.58	9.69 x 5.76 x 2.58
WEIGHT	KG	1.57	1.57
	LBS	3.46	3.46

NOTE: Specifications are subject to change without notice

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