



120W  
samlexamerica®



**DC-AC Inverter**  
Pure Sine Wave

Model  
PST-120-12  
12 VDC  
120 VAC

**Design Features**

- Low-Profile Design
- USB Charging Port: 5V, 500mA
- Temperature controlled fan – runs quieter, reduces energy consumption
- 12V cigar plug adapter included
- LED indicators for power and protection
- Low battery alarm / shut down
- Low idle power draw of less than 0.5 Amps
- Approved for use in hospitals and applications requiring ANSI/AAMI ES60601-1 compliance

**3 YEAR LIMITED WARRANTY**



		MODEL NO.	PST-120-12
AC OUTPUT	OUTPUT VOLTAGE		120V ± 3%
	OUTPUT CURRENT		1A
	OUTPUT FREQUENCY		60 Hz ± 1%
	TYPE OF OUTPUT WAVEFORM		Pure Sine Wave
	TOTAL HARMONIC DISTORTION OF OUTPUT WAVE FORM		< 3%
	CONTINUOUS OUTPUT POWER (AT POWER FACTOR = 1)		120 Watts
	SURGE OUTPUT POWER (AT POWER FACTOR = 1)		120 Watts
	PEAK EFFICIENCY		88%
	AC OUTPUT CONNECTION		NEMA1-15R Receptacle
DC INPUT	NOMINAL DC INPUT VOLTAGE		13 VDC
	DC INPUT VOLTAGE RANGE		10 - 16.5 VDC
	MAXIMUM INPUT CURRENT		15A
	DC INPUT CURRENT AT NO LOAD		< 500 mA
	DC INPUT CONNECTION		Battery Modular Connector on the inverter - 2 ft. detachable Power Cord with AWG #14 wires, Mating Battery Modular Connector on inverter side and 12V Plug Adapter on battery side
DISPLAY	3 COLOR LED		For Operational Conditions
PROTECTIONS	LOW DC INPUT VOLTAGE		Shutdown at ≤ 10V; Auto-reset at ≥ 11.5V
	HIGH DC INPUT VOLTAGE		Shutdown at ≥ 16.5V; Auto-reset at ≤ 16.5V
	SHORT CIRCUIT / OVERLOAD		Output voltage drops, but does not shut down. Auto-reset on removal.
	OVER TEMPERATURE		Shut down when internal hot spot is ≥ 105°C / 221°F. Auto-reset on cooling.
	REVERSE POLARITY ON DC INPUT SIDE		Automotive Mini Blade Fuse: 32V, 15A
	HIGH DC OUTPUT OF USB PORT		Shuts down USB Port at ≥ 6.2V
	COOLING		Temperature Controlled Fan
COMPLIANCE	SAFETY		Intertek - ETL Listed Recognized Component. Conforms to ANSI/AAMI Standard ES60601-1
	EMI		FCC Part 15(B), Class B / EN 55022: 2006; EN 55024: 1998+A1; 2001 +A2; 2003
	EMC		EN 61000-3-2: 2006 / EN 61000-3-3: 1995+A1; 2001 +A2: 2005
ENVIRONMENT	OPERATING TEMPERATURE RANGE		0°C to 40°C / 32°F to 104°F
DIMENSIONS & WEIGHTS	(W X D X H), MM		105 x 189 x 30.5
	(W X D X H), INCHES		4.13 x 7.44 x 1.2
	WEIGHT, KG/LBS		0.453 / 1.0

NOTE: Specifications are subject to change without notice