



300W  
samlexamerica®



### DC-AC Inverter Pure Sine Wave

Model	PST-30S-12E 12 VDC-230 VAC
	PST-30S-24E 24 VDC-230 VAC

### Design Features

- 50 / 60 Hz (Switch selectable: 50 Hz default)
- High efficiency
- Low battery voltage alarm
- LED indicators for power and protections
- Protections: input low voltage, input over voltage, over temperature, over load, short circuit
- Low idle power draw
- Comes with 2 DC input wire sets - with battery clamps and with 12V plug

	MODEL NO.	PST-30S-12E	PST-30S-24E
OUTPUT	POWER, CONTINUOUS (At Power Factor = 1)	300 Watts	300 Watts
	POWER, SURGE (FOR <1 SEC)	500 Watts (300 ms)	500 Watts (300 ms)
	OUTPUT VOLTAGE	230 VAC ± 3%	230 VAC ± 3%
	OUTPUT FREQUENCY	50 / 60 Hz ± 1% : Switch Selectable (Default 50 Hz)	
	OUTPUT VOLTAGE WAVEFORM	Pure Sine Wave	Pure Sine Wave
	TOTAL HARMONIC DISTORTION	< 3%	< 3%
INPUT	INPUT VOLTAGE	10.5 to 16.5 VDC	21 to 33 VDC
	MAXIMUM INPUT CURRENT	40 A	20A
	INPUT CURRENT AT NO LOAD	< 700 mA	< 500 mA
	LOW INPUT VOLTAGE WARNING ALARM	10.5V ± 0.1V	21.0V ± 0.2V
	LOW INPUT VOLTAGE SHUT-DOWN	10V ± 0.1V ; Auto-reset: 11.5V ± 0.3V	20V ± 0.2V ; Auto-reset: 23V ± 0.5V
	HIGH INPUT VOLTAGE SHUT-DOWN	16.5V ; Auto-reset: < 16.5V	33V ; Auto-reset: < 33V
	OPERATING AMBIENT TEMPERATURE	Operating temperature -20 to 40°C / -4 to 104°F Storage temperature -30 to 70°C / -22 to 158°F 90% relative humidity non-condensing	
	PEAK EFFICIENCY	> 88% (At full load)	> 88% (At full load)
	COOLING	Temperature controlled fan. Fan ON at 55°C ± 3°C; Fan OFF at 45°C ± 3°C (sensed at internal hot spot)	
CONNECTIONS	INPUT	Terminals with cylindrical hole: Diameter 5 mm ; #10 x 24 TPI set screw	
	OUTPUT	European "Schuko", CEE 7/3 AC Receptacle	
	INTERNAL DC SIDE INPUT FUSE	40A (Type ATC, 32V)	20A (Type ATC, 32V)
COMPLIANCE	EUROPEAN CONFORMITY	CE marked	
	SAFETY	European Low Voltage Directive 2014/35/EU • Standard: EN62368-1:2014+A11:2017	
	EMC	European EMC Directive 2014/30/EU per following Standards: • EMI: EN55032, Class B ; EN61000-3-2, -3-3 • EMS: EN55034; EN61000-4-2, -4-3, -4-4, -4-5, -4-6, -4-8, -4-11	
	RoHS2	European Directive 2011/65/EU	
GENERAL	DIMENSIONS, MM (W x D x H)	155.0 x 250.0 x 65.5	155.0 x 250.0 x 65.5
	DIMENSIONS, INCHES (W x D x H)	6.1 x 9.8 x 2.6	6.1 x 9.8 x 2.6
	WEIGHT, KG	1.32	1.32
	WEIGHT, LB	2.9	2.9

NOTE: Specifications are subject to change without notice

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