



1000W  
samlexamerica®



### DC-AC Inverter Pure Sine Wave

Model	PST-100S-12E
	12 VDC- 230 VAC
	PST-100S-24E
	24 VDC- 230 VAC

### Design Features

- 50 / 60 Hz (Switch selectable: 50 Hz default)
- High efficiency
- Low battery voltage alarm
- Protections: input low voltage, input over voltage, over temperature, over load, short circuit
- Low idle power draw
- Optional remote control (sold separately): Model RC-15
- Comes with pin-type battery cable lugs

	MODEL NO.	PST-100S-12E	PST-100S-24E
OUTPUT	POWER, CONTINUOUS (At Power Factor = 1)	1000 Watts	1000 Watts
	POWER, SURGE	2000 Watts (< 8 ms)	2000 Watts (< 8 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	10.7 to 16.5 VDC	21.4 to 33 VDC
	MAXIMUM INPUT CURRENT	160A	80A
	INPUT CURRENT AT NO LOAD	< 0.8A	< 0.6A
	LOW INPUT VOLTAGE WARNING ALARM	10.7V ± 0.1V	21.4V ± 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	> 85% (At full load)	> 85% (At full load)
CONNECTIONS	COOLING	Temperature controlled fan. Fan ON at 55°C ± 3°C; Fan OFF at 45°C ± 3°C (sensed at internal hot spot)	
	DC INSTALLATION KIT (OPTIONAL)	DC-2000-KIT	DC-1000-KIT
	INPUT	Terminals with cylindrical hole: Diameter 11 mm ; M8 set screw	
	OUTPUT	European "Schuko", CEE 7/3 AC Receptacle	
	INTERNAL DC SIDE INPUT FUSE	4 X 40A = 160A (Each Type ATC, 32V)	4 x 20A = 80A (Each Type ATC, 32V)
COMPLIANCE	REMOTE	RC-15 (optional)	RC-15 (optional)
	EUROPEAN CONFORMITY	CE marked	
	SAFETY	European Low Voltage Directive 2014/35/EU • Standard : EN 60950-1	
GENERAL	EMC	European EMC Directive 2014/30/EU per following Standards: • EMI: EN55022, Class B ; EN61000-3-2, -3-3 • EMS: EN55024; 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)	240.6 x 400.0 x 82.0	240.6 x 400.0 x 82.0
	DIMENSIONS, INCHES (W x D x H)	9.5 x 15.7 x 3.2	9.5 x 15.7 x 3.2
	WEIGHT, KG	4	4
	WEIGHT, LB	8.8	8.8

NOTE: Specifications are subject to change without notice

12001-PST-100S-12E-24E-1119