



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	0°C to 40°C / 32°F to 104°F		
	PEAK EFFICIENCY	> 85% (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)		
	DC INSTALLATION KIT (OPTIONAL)	DC-2000-KIT	DC-1000-KIT	
CONNECTIONS	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)	
	REMOTE	RC-15 (optional)		
GENERAL	DIMENSIONS, MM (W x D x H)	240.6 x 400.0 x 82.0		
	DIMENSIONS, INCHES (W x D x H)	9.5 x 15.7 x 3.2		
	WEIGHT, KG	4		
	WEIGHT, LB	8.8		
		EUROPEAN CONFORMITY	CE marked	
COMPLIANCE	SAFETY	European Low Voltage Directive 2014/35/EU • Standard : EN 60950-1		
	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	

NOTE: Specifications are subject to change without notice

12001-PST-100S-12E-24E-0317