



**DC-AC Inverter**  
**⚡ Pure Sine Wave**

**Model**  
**PST-60S-48E**  
**48 VDC - 230 VAC**

### Design Features

- High efficiency
- 166% Surge Power
- Temperature controlled cooling fan – reduces energy consumption
- Low RF emissions
- Wide operating DC input range: 42.0 - 64.0 VDC
- 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.
- Low idle power draw
- Optional remote control (sold separately): Model RC-15A
- Meets European safety and EMI / EMC Standards

**3 YEAR LIMITED WARRANTY**



MODEL NO.		PST-60S-48E
OUTPUT	OUTPUT VOLTAGE	230 VAC ± 3%
	MAXIMUM OUTPUT CURRENT	2.7A
	OUTPUT FREQUENCY	50/60 Hz ± 1% (Switch selectable)
	TYPE OF OUTPUT WAVEFORM	Pure Sine Wave
	TOTAL HARMONIC DISTORTION OF OUTPUT WAVEFORM	< 3%
	CONTINUOUS OUTPUT POWER (At Power Factor = 1)	600 Watts
	SURGE OUTPUT POWER	1000 Watts (< 10 ms)
INPUT	PEAK EFFICIENCY	> 90%
	AC OUTPUT CONNECTIONS	European "Schuko", CEE 7/3 AC receptacle
	NOMINAL DC INPUT VOLTAGE	48 VDC
	DC INPUT VOLTAGE RANGE	42.0 - 64.0 VDC
	MAXIMUM INPUT CURRENT	20 ADC
	DC INPUT CURRENT AT NO LOAD	0.3A
	DC INPUT CONNECTIONS	Tubular hole diameter: 11 mm / 0.433" ; M8 Set Screw
DISPLAY	DC INPUT FUSES (INTERNAL)	2 x 10A = 20A (Each 10A, 58 VDC, Blade Type)
	LED	Power, Overload, Over Temperature
PROTECTIONS	LOW DC INPUT VOLTAGE ALARM	42.0 ± 0.5 VDC
	LOW DC INPUT VOLTAGE SHUTDOWN	40.0 ± 0.5 VDC ; Auto-reset: 46.0 ± 0.5 VDC
	HIGH DC INPUT VOLTAGE SHUTDOWN	64.0 VDC ; Auto-reset: < 64.0 VDC
	SHORT CIRCUIT SHUTDOWN	When output voltage drops to 160V or lower for 1 to 1.5 sec
	OVERLOAD SHUTDOWN	At overload of 110% to 115% for 2 to 2.5 sec
	OVER TEMPERATURE SHUTDOWN	90°C ± 5°C ; Auto reset at 65°C ± 5°C
REMOTE	REVERSE POLARITY ON DC INPUT SIDE	External / internal DC sides fuses will blow
	WIRED REMOTE CONTROL (OPTIONAL)	RC-15A with LED display and 5m / 16.5ft cable (Sold separately)
COOLING	FORCED AIR COOLING	Temperature controlled fan (Temperature sensed at internal hot spot) Fan ON at 55°C ± 3°C; Fan OFF at 45°C ± 3°C
COMPLIANCE	SAFETY	Meets EN 60950-1 for Information Technology Equipment
ENVIRONMENT	EMI / EMC	EN 55022: Class B; EN 55024; EN 61000-3-2; EN 61000-3-3
	WORKING ENVIRONMENT	Indoor use
	OPERATING TEMPERATURE RANGE	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
DIMENSIONS	RELATIVE HUMIDITY	Up to 85%, non condensing
	(W X D X H), MM	238 x 281 x 82
WEIGHT	(W X D X H), INCHES	9.37 x 11.06 x 3.23
	KG / LBS	2.7 / 5.9

**NOTES:**

1. All power ratings are specified for resistive load at Power Factor = 1.
2. All specifications given above are at ambient temperature of 25°C / 77°F.
3. Specifications are subject to change without notice

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