



DC-AC Inverter Pure Sine Wave

Model	PST-600-12
	12 VDC- 120 VAC
	PST-600-24
	24 VDC- 120 VAC
	PST-600-48
	48 VDC- 120 VAC

Design Features

- Pure sine wave output with <3% THD for sensitive electronics and appliances
- High efficiency with ultra-low idle current for extended runtime
- 1000 W surge power for reliable startup of demanding loads
- Dual GFCI-protected AC outlets for safe, convenient operation
- Optional remote control with ignition-controlled ON/OFF capability
- Universal Protection Circuit (UPC) and temperature-controlled cooling fan for dependable mobile power

3 YEAR LIMITED WARRANTY



MODEL NO.		PST-600-12	PST-600-24	PST-600-48
OUTPUT	OUTPUT VOLTAGE		120 VAC $\pm$ 3%	
	MAXIMUM OUTPUT CURRENT		5.1 A	
	OUTPUT FREQUENCY		60 Hz $\pm$ 1%	
	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	
	PEAK EFFICIENCY	> 85%	> 88%	> 90%
AC OUTPUT CONNECTIONS		NEMA5-20R GFCI Duplex Outlets		
INPUT	NOMINAL DC INPUT VOLTAGE	12 V	24 V	48 V
	DC INPUT VOLTAGE RANGE	10.7 - 16.5 VDC	21.4 - 33 VDC	42.0 - 60 VDC
	MAXIMUM INPUT CURRENT	80 A	40 A	20 A
	DC INPUT CURRENT AT NO LOAD	< 600 mA	< 450 mA	< 300 mA
	DC INPUT CONNECTIONS	Tubular hole diameter: 7/16", Set screw 5/16" x 24 TPI 1/2" long, slotted.		
DC INPUT FUSES (INTERNAL)		80 A, 32 V	40 A, 32 V	20 A, 58 V
DISPLAY	LED	Power, Overload, Over Temperature		
PROTECTIONS	LOW DC INPUT VOLTAGE ALARM	10.7 V $\pm$ 0.1 V	21.4 V $\pm$ 0.2 V	42 V $\pm$ 0.4 V
	LOW DC INPUT VOLTAGE SHUTDOWN	10 V $\pm$ 0.1 V; Auto-reset: 11.5 V $\pm$ 0.3 V	20 V $\pm$ 0.2 V; Auto-reset: 23 V $\pm$ 0.5 V	40 V $\pm$ 0.4 V; Auto-reset: 46 V $\pm$ 1.0 V
	HIGH DC INPUT VOLTAGE SHUTDOWN	17 V; Auto-reset: < 17 V	34 V; Auto-reset: < 34 V	64 V; Auto-reset: < 64 V
	SHORT CIRCUIT SHUTDOWN	When output voltage drops to 80 V or lower		
	OVERLOAD SHUTDOWN	At overload of 110% to 115%		
	GROUND FAULT SHUTDOWN	Through GFCI outlets (5 to 6 mA leakage)		
	OVER TEMPERATURE SHUTDOWN	90 °C $\pm$ 5 °C ; Auto reset at 65 °C $\pm$ 5 °C		
	REVERSE POLARITY ON DC INPUT SIDE	Internal DC (ATO) fuses will be blown		
REMOTE	WIRED REMOTE CONTROL	• Remote Control Model RC-15A with LED display & 5 m / 16.5 ft cable connected through Modular Jack Connector (6P6C) (optional) • 2-Wire & 1-Wire On/Off control connected through Hardwiring Terminal Block		
COOLING	FORCED AIR COOLING	Temperature controlled fan Fan ON at 55 °C $\pm$ 3 °C; Fan OFF at 45 °C $\pm$ 3 °C		
COMPLIANCE	SAFETY	Intertek - ETL Listed. Conforms to UL Standard 458 and certified to CSA Std. C22.2 No. 107.1		
	EMI / EMC	FCC Part 15(B), Class B		
ENVIRONMENT	HAZARDOUS SUBSTANCE RESTRICTION	RoHS Compliant (Lead Free)		
	OPERATING TEMPERATURE RANGE	-20 to 40 °C / -4 to 104 °F		
	STORAGE TEMPERATURE	-30 to 70 °C / -22 to 158 °F		
	RELATIVE HUMIDITY	90%, non-condensing		
DIMENSIONS	(W X D X H), MM / (W X D X H), INCHES	238 x 276.2 x 82 / 9.37 x 10.87 x 3.23		
WEIGHT	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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