

SS120

TSO'D 50/60 Hz LIGHTWEIGHT SINEWAVE

1000 VA to 1200 VA Static Inverters

Description

The Models SS and SB series are lightweight, static inverters. These models utilize the latest state of the art, solid state circuitry to invert a 28 VDC input to either a 115 VAC, 60 Hz or 230 VAC, 50 Hz sine wave output.

Design features include a crystal controlled oscillator for output frequency stability and a pulse-width-modulated square to sine wave power conversion scheme for efficient, reliable and quiet operation.

The model SS and SB Series of static inverters are designed to power laptop computers, audio/video entertainment systems, portable electronics (stereo, MP3, CD, DVD, video games, etc.), microwave ovens, coffee makers and medical equipment in airborne, marine and ground mobile applications.



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SPECIFICATIONS:	
Input Voltage:	28 Vdc (nominal), 20 Vdc to 36.5 Vdc Range
Output Waveform & Phase:	Sinewave/Single Phase
Harmonic Distortion:	0.5 % (nominal)
Power Factor:	+0.8 TO -0.8
Efficiency:	87 % (nominal)
Response Time:	300 uSec (No Load to Full Load)
Regulation:	1 % Line, 1 % Load, 2.5 % Temperature
Overload Capacity:	110% of rated power for 2 hrs, 150% of rated power for 5 min. (SSA120 = No Overload)
Protection Circuit:	The inverter will shutdown under the following conditions: <ul style="list-style-type: none">• Input voltage > 37.5 ± 1 Vdc.• Input voltage < 18 Vdc ± 1.5 Vdc.• Internal high ambient temperature.• Short circuit condition (after 2 to 15 Sec)(manual reset)
Remote On-Off:	Yes
Operating Temperature:	-55 ° C to +71 ° C (-65 ° F to +160 ° F)
Altitude:	55,000 ft
Environmental:	DO-160C Env. Cat. F3ZBB[LV] E1XXXXXBXXXXZXXX
Cooling:	Thermostatically controlled brushless fan (on above 50 ° C)
Compliance:	FAA TSO-C73