



50/60 Hz

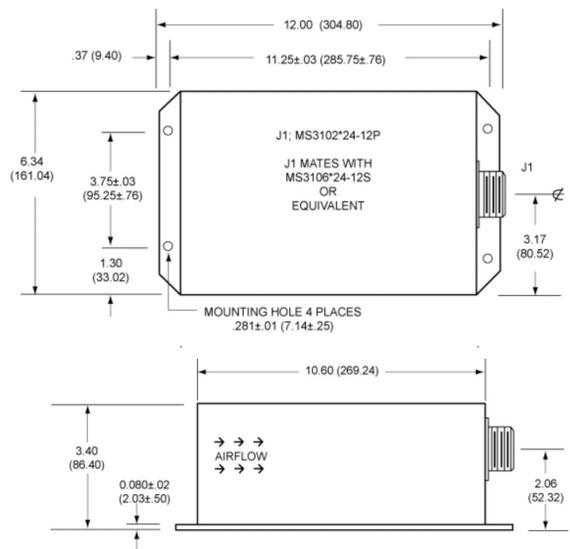
INPUT
400 ADC

REMOTE

OUTPUT
60 Hz (SS120)
50 Hz (SB120)

OVERVIEW

- 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. The 60Hz SS Series is certified to FAA TSO-C73 airborne standards.
- 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.



SS120 SB120

APPLICATIONS

CS23 | CS27

- Galley Appliances
- Medical Equipment (EMS)
- Office Equipment
- Lavatories

FAA TSO - C73



Electronic specifications, operating temperature -40 to 85°C

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:	<ul style="list-style-type: none">•The inverter will shutdown under the following conditions: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] E1XXXXXBXXXXXXX
Cooling:	Thermostatically controlled brushless fan (on above 50 ° C)
Compliance:	SS Series Approved under FAA TSO-C73
Size	2.75 W x 10.60 L x 3.40 H inches 69.9 W x 269.24 L x 86.36 H mm

CONTACT

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