



# 500VA STATIC INVERTER

## MD50 SERIES

MANUFACTURED BY MID-CONTINENT INSTRUMENTS



MD50

- Supplies power for various cabin accessories such as laptops, cell phones and iPods®
- Compact design – 30% smaller than competing products
- Lightweight
- Remote On/Off feature
- 500VA output power
- 85-90% efficiency
- Input Voltage: 24-32 VDC
- Input Current: 20A at 28 VDC input
- Output Voltage: 115 VAC
- Frequency: 60 Hz  $\pm$  1%
- Single phase, true sine wave output
- Overload and short circuit protection up to 150% of rated load
- Rated from -65 F° to +160°F (-55°C to +71°C)
- FAA TSO C73 certification and RTCA DO-160F qualification pending
- Designed and built in Wichita, Kansas, USA
- One year limited warranty

Kansas  
9400 E. 34th Street North  
Wichita, KS 67226 USA  
Tel 800-821-1212 316-630-0101  
Fax 316-630-0723  
mci@mcico.com



**MID-CONTINENT**  
I N S T R U M E N T S  
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WWW.MCICO.COM  
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California  
16320 Stagg Street  
Van Nuys, CA 91406 USA  
Tel 800-345-7599 818-786-0300  
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mcw@mcico.com

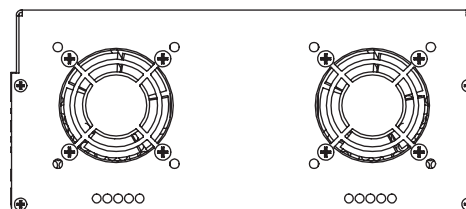
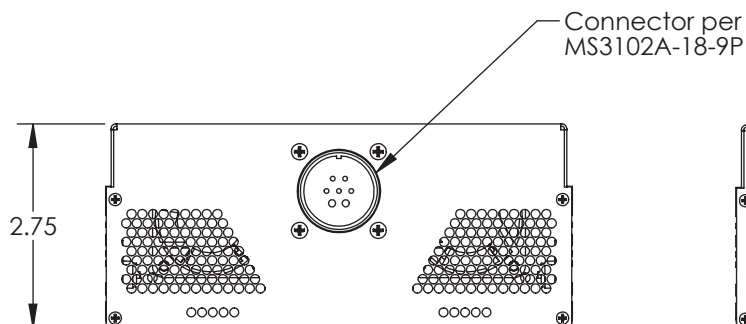
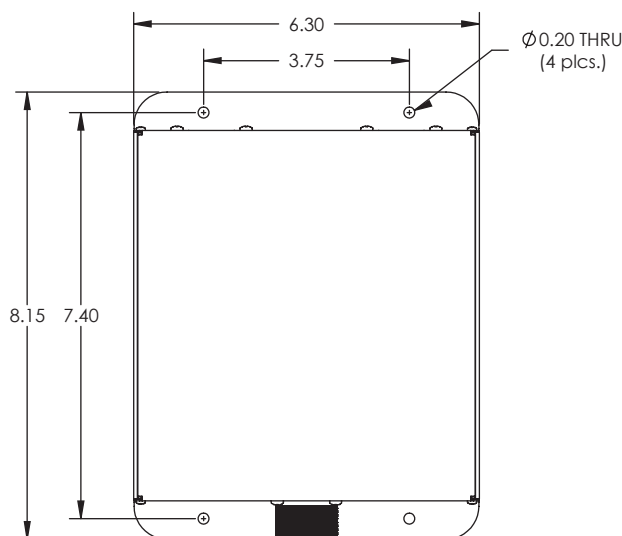
# 500VA STATIC INVERTER

## MD50 SERIES

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### SPECIFICATIONS

Input Voltage:	24-32 VDC
Input Current:	17 to 23A
Output Power:	500VA
Output Voltage:	115 VAC
Output Waveform:	Single phase, true sine wave
Output Frequency:	60 Hz $\pm$ 1%
Efficiency:	85-90%
Weight:	3.8 lbs.
Altitude:	55,000 ft.
Humidity:	Tested to greater than 95% for 10 days, temperature was cycled between 75°F to 160°F
Temperature:	-65°F to +160°F (-55°C to +71°C)
Protection:	Input transient, overload and short circuit protection (up to 150% of rated load without damage)
Connector:	MS3102A-18-9P
Mating Connector:	MS3106A-18-9S
Case:	Anodized aluminum, blue
Certification:	FAA TSO C73 and RTCA DO-160F pending



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