

TRUE BLUE POWER®

A division of Mid-Continent Instrument Co., Inc.

2000VA DC-to-AC Inverter

TI2000 Series

Manufactured by Mid-Continent Instrument Co., Inc.

The TI2000 Series Inverter provides 2000 watts of wall outlet power to cabin and galley accessories, including entertainment systems, personal electronic devices, microwave ovens and coffee makers. It is ideal for emergency medical equipment, special mission and VIP cabin configurations.



TI2000

The TI2000 Series is smaller, lighter and more efficient than competing units and includes input transient, overload and short-circuit protection up to 150% of the rated load.

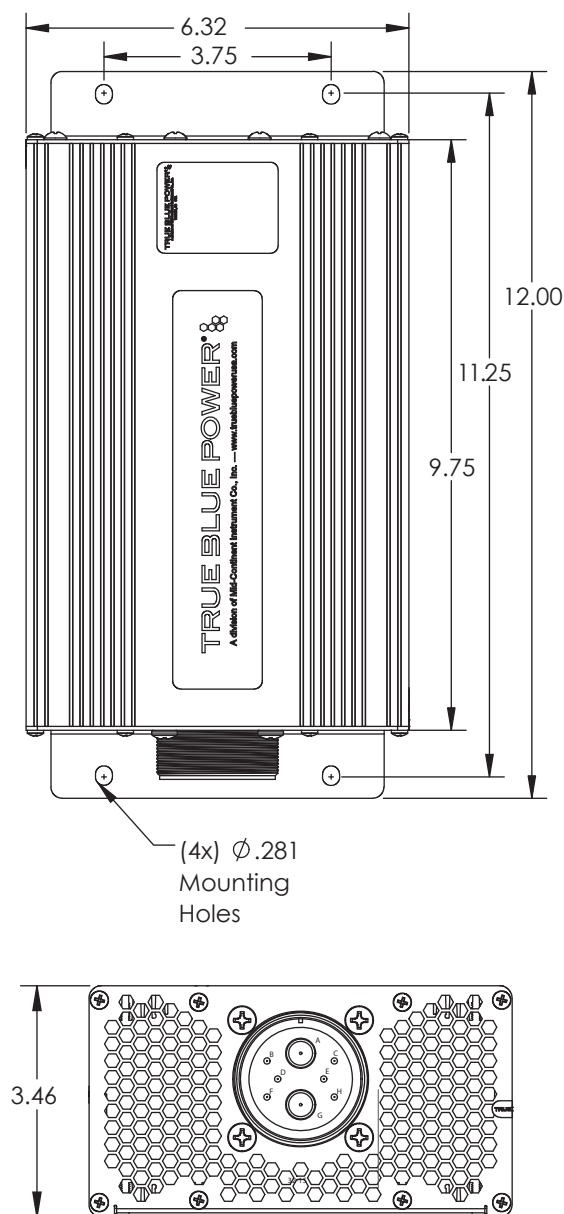
Product features

OUTPUT POWER	2000 VA
INPUT VOLTAGE	20 – 36 VDC
OUTPUT VOLTAGE	TI2000 115 VAC \pm 3% TI2002 230 VAC \pm 3% TI2004 115 VAC \pm 3%
OUTPUT FREQUENCY	TI2000 60 Hz \pm 0.5% TI2002 50 Hz \pm 0.5% TI2004 400 Hz \pm 0.1%
EFFICIENCY	93%
REMOTE CONTROL	Remote On/Off
OVERLOAD AND SHORT-CIRCUIT PROTECTION	Input transient, overload and short-circuit protection (up to 150% of rated load without damage)
DESIGNED AND MANUFACTURED	Wichita, Kansas, USA
WARRANTY	Two-year limited

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Technical specifications

INPUT VOLTAGE	20 – 36 VDC
INPUT CURRENT	80A at 28 VDC input
OUTPUT VOLTAGE	TI2000 115 VAC \pm 3% TI2002 230 VAC \pm 3% TI2004 115 VAC \pm 3%
OUTPUT POWER	2000 VA
OUTPUT FREQUENCY	TI2000 60 Hz \pm 0.5% TI2002 50 Hz \pm 0.5% TI2004 400 Hz \pm 0.1%
OUTPUT WAVEFORM	Single phase, true sine wave < 3% total harmonic distortion
WEIGHT	7.7 lbs. (3.49 kg)
ALTITUDE	55,000 ft
HUMIDITY	Tested to greater than 95% for 10 days, temperature cycle of 75° F to 160° F
TEMPERATURE	-67° F to +158° F (-55° C to +70° C)
INTEGRAL COOLING	Dual, electronically-controlled brushless fans
MATING CONNECTOR	P/N 9018784-1 P/N 9018550-2 (cable clamp / backshell)
CASE	Anodized aluminum extrusion, blue
CERTIFICATION	FAA TSO-C73 certified EASA ETSO-C73 certified RTCA DO-160G qualified

AC Outlet Option

Part Number	Compatibility	Current Rating	Weight	Dimensions	Connector	Case
9018708-1	North American	15 amps	0.3 lbs (0.14 kgs)	1.75" W x 1.75" H x 1.70" D	Mate-N-Lok	Aluminum
9018708-2	Universal	14 amps	0.49 lbs (0.22 kgs)	2.30" W x 2.30" H x 1.94" D	Mate-N-Lok	Aluminum
9018708-3	North American	15 amps	0.3 lbs (0.14 kgs)	1.75" W x 1.75" H x 1.70" D	None	Aluminum
9018708-4	Universal	14 amps	0.49 lbs (0.22 kgs)	2.30" W x 2.30" H x 1.94" D	None	Aluminum