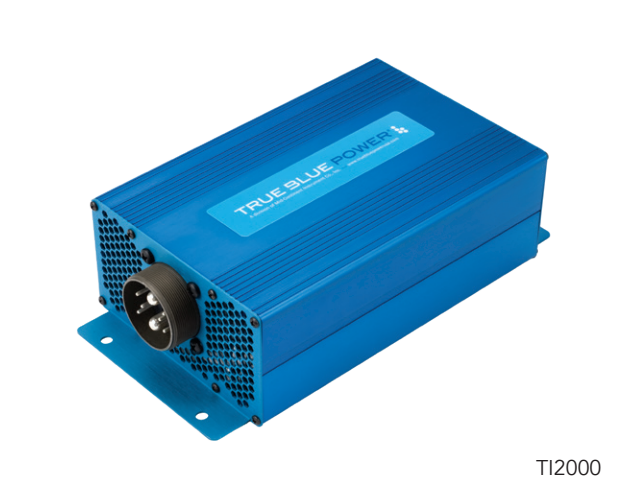
TRUE BLUE POWER®

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	18 – 36 VDC
OUTPUT VOLTAGE	TI2000 (6432000-1) 115 VAC ± 3% TI2002 (6432000-2) 230 VAC ± 3% TI2004 (6432000-4) 115 VAC ± 3%
OUTPUT FREQUENCY	TI2000 (6432000-1) 60 Hz ± 0.1% TI2002 (6432000-2) 50 Hz ± 0.1% TI2004 (6432000-4) 400 Hz ± 0.1%
EFFICIENCY	93%
REMOTE CONTROL	Remote On/Off Fault output indication
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

Kansas
9400 East 34th Street North
Wichita, Kansas 67226 USA
Tel 316.630.0101 800.821.1212
Fax 316.630.0723
tbp@mcico.com

California
9722 Topanga Canyon Boulevard
Chatsworth, California 91311 USA
Tel 818.786.0300 800.345.7599
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truebluepower.com

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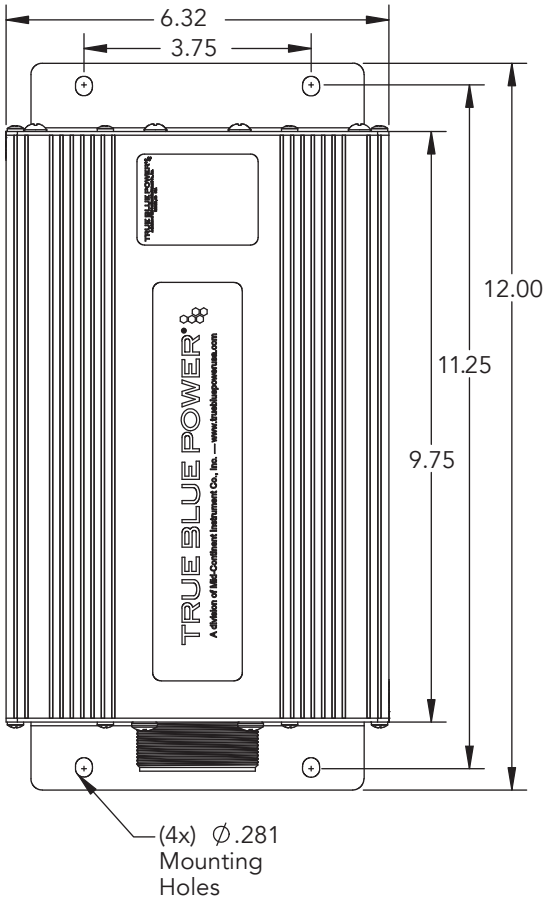

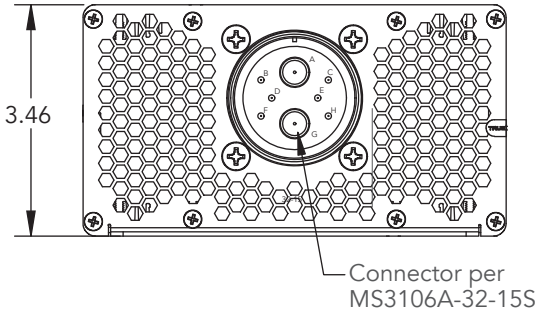

Technical specifications

INPUT VOLTAGE	20 – 36 VDC		
INPUT CURRENT	80A at 28 VDC input		
OUTPUT VOLTAGE	TI2000	(6432000-1)	115 VAC ± 3%
	TI2002	(6432000-2)	230 VAC ± 3%
	TI2004	(6432000-4)	115 VAC ± 3%
OUTPUT POWER	2000 VA		
OUTPUT FREQUENCY	TI2000	(6432000-1)	60 Hz ± 0.1%
	TI2002	(6432000-2)	50 Hz ± 0.1%
	TI2004	(6432000-4)	400 Hz ± 0.1%
OUTPUT WAVEFORM	Single phase, pure 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 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 kg)	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 kg)	2.30"W x 2.30"H x 1.94"D	Mate-N-Lok	Aluminum