

# 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 ± 3%<br>TI2002 230 VAC ± 3%<br>TI2004 115 VAC ± 3%                                |
| OUTPUT FREQUENCY                      | TI2000 60 Hz ± 0.5%<br>TI2002 50 Hz ± 0.5%<br>TI2004 400 Hz ± 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   |

#### Kansas

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tbp@mcico.com

#### California

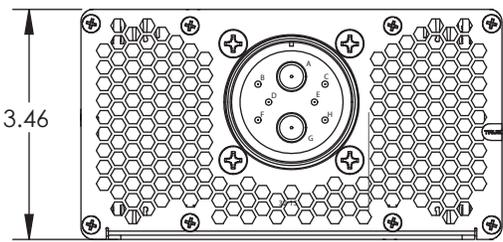
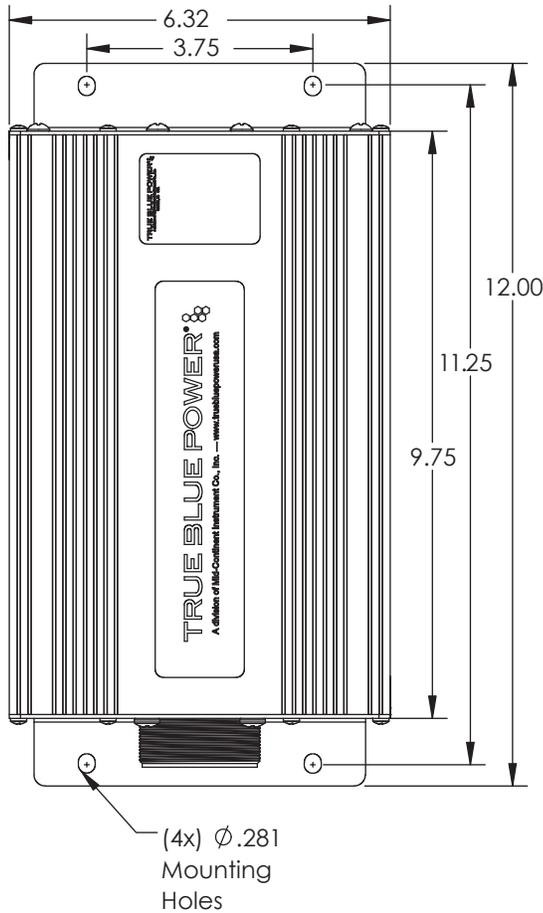
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# 2000VA DC-to-AC Inverter

## TI2000 Series

Manufactured by Mid-Continent Instrument Co., Inc.



### Technical specifications

|                  |  |
|------------------|--|
| INPUT VOLTAGE    | 20 – 36 VDC  |
| INPUT CURRENT    | 80A at 28 VDC input  |
| OUTPUT VOLTAGE   | TI2000 115 VAC ± 3%<br>TI2002 230 VAC ± 3%<br>TI2004 115 VAC ± 3%            |
| OUTPUT POWER     | 2000 VA  |
| OUTPUT FREQUENCY | TI2000 60 Hz ± 0.5%<br>TI2002 50 Hz ± 0.5%<br>TI2004 400 Hz ± 0.1%           |
| OUTPUT WAVEFORM  | Single phase, true sine wave<br>< 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<br>P/N 9018550-2 (cable clamp / backshell)                     |
| CASE             | Anodized aluminum extrusion, blue  |
| CERTIFICATION    | FAA TSO-C73 certified<br>EASA ETSO-C73 certified<br>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 |