

TRUE BLUE INVERTERS – CONVERTERS

TRUE BLUE POWER INVERTER TI1202



True Blue Power Inverter TI1202 1200 VA, 240 VAC, Output 50Hz sine wave

Features: • Supplies 1200 watts of power to multiple cabin accessories, galley equipment and entertainment systems • Ideal for use in special mission and VIP cabin configurations. • Compact design — 30% smaller than competing products • Lightweight — 7.3 lbs • 88% efficiency • Input transient, overload and short-circuit protection — up to 150% of rated load without damage • Remote On/Off optional • FAA TSO-C73 certified • EASA ETSO-C73 certified • RTCA DO-160G qualified • Designed and built in Wichita, Kansas, USA • Two-year limited warranty

Specifications: • Input Voltage: 20 – 36 VDC • Input Current: 60A at 28 VDC input • Output Voltage: 240 VAC $\pm$ 3%
P/N 10-07612

TRUE BLUE POWER INVERTER 6431502-1

Inverter 18-32 VDC in, 30-120 VAC out, 1500 VA, Single phase square wave, Variable out P/N 10-07613

TRUE BLUE POWER INVERTER 6432000-4



True Blue Power Inverter 200VA, 115VAC Output, 400Hz Sine Wave 6432000-4

Features: • Supplies 2,000 watts of wall outlet power • Ideal for emergency medical equipment, special mission and VIP cabin configurations • Lightweight — 7.7 lbs • 93% efficiency • Input transient, overload and short-circuit protection — up to 150% of rated load without damage • Remote On/Off optional • FAA TSO-C73 certified • EASA

ETSO-C73 certified • RTCA DO-160G qualified • Designed and built in Wichita, Kansas, USA • Two-year limited warranty

Specifications: • Input Voltage: 20 – 36 VDC • Input Current: 80A at 28 VDC input • Output Voltage: 115 VAC $\pm$ 3%
P/N 10-07618

TRUE BLUE POWER CONVERTER 6432001-1



True Blue Power Converter 100-250VAC, 47-800Hz, 28 VDC Output 6432001-1

Features: • Supplies 2,000 watts of 28-volt DC power • Lightweight — 9.9 lbs • Input transient, temperature monitoring, short circuit and overload protection (up to 110% of rated load without damage) • 88 – 90% efficiency • Remote On/Off • Designed and built in Wichita, Kansas, USA • Two-year limited warranty

Specifications: • Model Number: TC2000 • Part Number: 6432001-1 • Input Voltage: • 100 – 250 VAC, 47 – 800 Hz • Input Current: 21A Nominal • Output Voltage: 28 VDC $\pm$ 0.4 VDC • Output Power: 2,000 watts • Weight: 9.9 lbs (4.5 kg) P/N 10-07617

TRUE BLUE POWER DC-TO-DC VOLTAGE CONVERTER



The high voltage TC6500 converts 270 VDC to 28 VDC to power avionics and related systems. The DC-to-DC converter is compact, lightweight and easy to install inside or outside of the pressure vessel. It has 96% peak efficiency and features an overload capacity up to 110% of rated power without damage.

Features: • High Voltage. High Efficiency. Low Weight. • 6,500 watts output power • 28.7 VDC $\pm$ 0.4 VDC output voltage • 96% efficiency • Remote control • Three brushless, temperature-controlled and speed-controlled fans; Thermostatic On/Off control • Up to 110% of rated power without damage overload capacity • Input transient, temperature monitoring, short circuit and over current protection • Designed and built in Wichita, Kansas, USA • Two-year limited warranty

Specifications: • Input Voltage: 165 – 320 VDC • Input Current: 26 A Nominal • Output Voltage: 28.7 VDC $\pm$ 0.4 VDC • Output Power: 6,500 watts • Weight: 10.4 lbs (4.7 kg) • Dimensions: 6.3"W x 12.0"L x 3.5"H • Altitude: 55,000 feet • Temperature: -67°F to +158°F (-55°C to +70°C) • Mating Connector: 9019803-8, 9019803-9 • Case: Anodized aluminum extrusion, blue • Certification: FAA TSO-C71 pending • RTCA DO-160G pending P/N 10-07756

TRUE BLUE POWER INVERTER 6432000-2



True Blue Power Inverter 6432000-2

Features: • Supplies 2,000 watts of wall outlet power • Ideal for emergency medical equipment, special mission and VIP cabin configurations • Lightweight — 7.7 lbs • 93% efficiency • Input transient, overload and short-circuit protection — up to 150% of rated load without damage • Remote On/Off optional • FAA TSO-C73 certified • EASA ETSO-C73 certified • RTCA DO-160G qualified • Designed and built in Wichita, Kansas, USA • Two-year limited warranty

Specifications: • Input Voltage: 20 – 36 VDC • Input Current: 80A at 28 VDC input • Output Voltage: 230 VAC $\pm$ 3% • Output Power: 2,000 VA • Output Frequency: 50 Hz $\pm$ 0.1% • Output Waveform: Single phase, true sine wave, • < 3% total harmonic distortion • Weight: 7.7 lbs (3.49 kg) P/N 10-07619

TRUE BLUE POWER FREQUENCY CONVERTER TFC4000



Quiet the cabin and cut replacement costs with the quietest and most reliable frequency converter on the market. The TFC4000 weighs less than 20 pounds, making it the lightest converter in its power class and easier to install in tight, hard-to-reach spaces. **Features:** • 4,000 watts of output power • 13 A input phase current • 93%

efficiency • Single phase, true sine wave < 3% total harmonic distortion output waveform • -0.8 to +0.8 power factor • Remote On/Off • Short circuit, under-voltage, over-voltage, overload (up to 150% for 5 minutes, without damage), DC offset protection • Designed and built in Wichita, Kansas, USA • Two-year limited warranty **Specifications:** • Model Number: TFC4000 • Part Number: 6434000-1 • Input Voltage: • 115 VAC (L – N) • 360 – 800 Hz • 3 Phase Weight: 18.9 lbs (8.57 kg)
P/N 10-07601

TRUE BLUE POWER TFC4000 AC-TO-AC FREQUENCY CONVERTER



Features: • The QUIETEST. The LIGHTEST. The MOST RELIABLE. • 4,000 watts of output power • 230 VAC, 50 Hz, single phase output voltage • 93% efficiency • Single phase, pure sine wave < 3% total harmonic distortion output waveform • -0.8 to +0.8 power factor • Remote On/Off • Short circuit, under-voltage, over-voltage, overload

(up to 150% for 5 minutes, without damage), DC offset protection • Designed and built in Wichita, Kansas, USA • Two-year limited warranty **Specifications:** • Input Voltage: 115/200 VAC, 360 – 800 Hz, 3-phase • Input Phase Current: 13 A • Output Voltage: 230 VAC, 50 Hz, single phase • Output Power: 4,000 watts • Weight: 18.9 lbs (8.57 kg) • Altitude: 55,000 feet • Temperature: -40°F to +167°F (-40°C to +75°C) • Mating Connector: 9019110-4, 9019507-2 • Case: Anodized aluminum, blue • Certification: • FAA PMA approved • FAA TSO-C230 • RTCA DO-160G
P/N 10-07601

TRUE BLUE POWER CONVERTER 24-32 VDC TC120 6430120-3



The model TC120 DC/DC Power Converter is a lightweight power converter that translates a direct current (DC) input of 28 volts to an adjustable 5 to 24 volt direct current (DC) output. **Specifications:** •

Input Voltage: 24 – 32 VDC • Input Current: 5.0 A Nominal • Output Voltage: 5 – 24 VDC • Output Power: • 120 watts • Efficiency: >90% • Weight: 0.65 lbs (0.29 kg) • Altitude: 55,000 ft • Temperature: -65°F to +160°F (-55°C to +70°C)

• Protection: Input transient, overload, short-circuit protection • Mating Connector: MS3106A-14S-5S • Case: Anodized aluminum, blue • Certification: • FAA TSO-C71 certified • RTCA DO-160G qualified • MIL-STD-461F • MIL-STD-704F • MIL-STD-810F
P/N 11-19519