

TRUE BLUE INVERTERS – CONVERTERS

TRUE BLUE POWER® MD835 EMERGENCY POWER SUPPLY

Automatically supplies 24.5 VDC power for critical or standby equipment. 4.5 Amp-hour battery with Nanophosphate® lithium-ion cell chemistry. Lightweight 4.7 lbs. – 8 lbs. Input Voltage: 24–32 VDC. 5V module connector available. Direct replacement for PS-835/PS-855 or forward-fit installations. 2-year capacity check, 10-year replacement life. (approx.) 3.1"H x 12.6"L x 2.3"W Mounts in standard ¼ ATR Rack. Maintains full charge by recharging during normal flight operations. Remote mounted self-test switch required. FAA TSO C179a certified. Part 23 AML STC Certified. Qualified to RTCA/DO-160F and RTCA/DO-311. Designed and built in the USA. Two year limited warranty.

MD835P/N 11-08713 ----
MD835 28V/5VP/N 11-15297 ----

**TRUE BLUE POWER® TI500
STATIC INVERTER**

DC-to-AC static inverter produces 115 volts at 60 Hz for 500 watts of "wall outlet" power from an aircraft's 28 VDC input. Has the same connector and footprint of legacy designs, plus overload and short-circuit protection up to 150 percent of the rated load. Supplies power for various cabin accessories, such as laptops, cell phones and iPods. Compact design. Remote On/Off feature, 500VA rated output power, 85-90% efficiency, Input voltage: 20-36 VDC, Input current: 20A at 28 VDC input, Output voltage: 115 VAC, Frequency: 60 Hz ± 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 certified and RTCA DO-160F qualified, Designed and built in the USA., Two year limited warrantyP/N 11-09613 ----

TRUE BLUE POWER TI1200 STATIC INVERTER

The TI1200 DC-to-AC static inverter produces 115 volts at 60 Hz for 1200 watts of "wall outlet" power from an aircraft's 28 VDC input. Lighter and smaller than competing inverters, the TI1200 has the same connector and footprint of legacy designs, plus overload and short-circuit protection up to 150% of the rated load.....P/N 11-10743 ----

TRUE BLUE POWER® DC/AC INVERTER

This classic DC to AC solid-state "peanut" inverter provides a reliable source of 26 volt, 400 Hz, AC power. Versatile, compact and lightweight, it is ideal for use with Stormscope bootstrap and multifunction display installations. Input: 11-40VDC @ 0.75 amp. Output: 26 VAC, 400 Hz, Single Phase, 10 volt-amperesP/N 11-07062 ----

TRUE BLUE TI250 STATIC INVERTER

A lightweight power converter that translates a 20 to 36 VDC input to a 115 VAC output at 60 Hertz and provides 250 watts (VA) of power. The alternating current output is defined as a pure sine wave with less than 2% of total harmonic distortion for clean, noise-free, harmonic-free power to supply nearly any common commercial or consumer load rated for a nominal input of 115VAC. FAA certified to TSO C73 and tested to rigorous environmental standards and levels of RTCA DO-160P/N 11-12858 ----

BLUE POWER CONVERTER 24-36 VDC TC120

The highly efficient TC120 DC-to-DC Converter produces 120 watts of power from an aircraft's 28 VDC input. Engineered to run cooler and featuring a fanless design, the TC120 saves energy and reduces weight. It produces enough energy to power electronic equipment throughout the aircraft, including in-seat, cabin and cockpit power applicationsP/N 11-14449 ----

TW15 WIRELESS CHARGER COIL

Manufactured by Mid-Continent Instruments and Avionics for True Blue Power. • Standby, Charging, Charge Complete and Fault status indication • Short circuit, power surges, overload, over temperature, reverse polarity and foreign object detection protection • Ideal for in-seat, cabin and cockpit applications • Designed and built in Wichita, Kansas, USA • 2-year limited warranty

Number of Coils	Weight	Dimensions	Part No.	Price
Single, Slim	3.4 oz.	4.50" x 2.28" x 0.21"	11-19191	---
Single, Compact	3.0 oz.	2.45" x 2.28" x 0.35"	11-19192	---

**TRUE BLUE AC-DC
CONVERTER 280 WATTS**

The highly efficient TC280 AC-to-DC Converter produces 280 watts of power from an aircraft's 115 VAC input. Engineered to run cooler and featuring a fanless design, the TC280 saves energy and reduces weight. It produces enough energy to power electronic equipment throughout the aircraft, including in-seat, cabin and cockpit power applications. It has a compact and lightweight design that can be conveniently mounted in the floor or cabin wall. Supplies 280 watts of 28 volt power. Greater than 88% energy efficiency. Compact and lighter design weighing only 2.0 lb. Input transit, overload, and short circuit-protection. Designed and built in Wichita, KA, USA.P/N 11-14193 ----

**TRUE BLUE POWER
CONVERTER 24-36 VDC TC120**

The TC120 is a multi-purpose DC-to-DC Converter with a variable input and output. This converter is an ideal power source for low-voltage DC accessories and equipment. Supplies 120 watts of 24–36 volt power. Greater than 88% energy efficiency. Compact and lighter design weighing only 2.0 lb. Input transit, overload, and short circuit-protection. Designed and built in Wichita, KA, USA.P/N 11-14270 ----

**TRUE BLUE DC TO AC STATIC
INVERTER 1200 WATTS**

28 VDC to 230 VAC 1200VA, 50 Hz, Sine wave. The TI1200 Series DC-to-AC Inverter produces 1200 watts of power from the aircraft's 28 VDC input. It is ideal for in-flight entertainment and galley equipment, such as microwaves and coffee makersP/N 11-14268 ----

**TRUE BLUE DC TO AC STATIC
INVERTER 250 WATTS**

28 VDC, 115/26 VAC 250VA, 400 Hz, Sine wave. The highly-efficient TI250 Series DC-to-AC Inverter produces 250 watts of power from the aircraft's 28 VDC input. Engineered to run cooler and featuring a fanless design, the TI250 Series saves energy and reduces weight. At only 2.2 pounds, these inverters are lighter and smaller than competing units and include overload, short-circuit and ground fault interrupter protectionP/N 11-14267 ----

TRUE BLUE MOUNTING ADAPTER

Mounting adapter for TI500 Mid-Continent True Blue DC To AC Static Inverter 500 Watts.P/N 11-14269 ----

TRUE BLUE POWER TC230 DC TO DC CONVERTERS

A lightweight power converter that translates a direct current (DC) input of 14 volts to an output of 28 volts direct current (DC) output. Converting an input operation voltage range of 10-18 V DC to 28VDC makes the TC230 suitable for power to a wide variety of general, business, or commercial aviation applications. The unit is rated for a nominal output of 230 watts to power avionics, instrumentation, lighting, and many other applications. FAA certified to TSO-C71 and tested to rigorous environmental standards and levels of RTCA DO-160G. Ideal choice for aircraft power needs while reducing the challenges associated with other similar products.

Description	Part No.	Price
10-18 VDC in, 28 VDC out, 230 watts	10-06250	---
10-18 VDC in, 28 VDC out, 230 watts with remote on/off feature	10-06251	---

TRUE BLUE POWER TC240 VDC TO VDC CONVERTER

The model TC240 VDC/VDC Power Converter that supplies 240 watts of 5 to 18-volt power to electronic equipment, including lighting and cabin accessories.

Features: • Lightweight — 0.7 lbs • 240 watts output power • Input Voltage: 24 – 32 VDC • Output Voltage: 5 – 18 VDC adjustable • Mating Connector: MCI P/N 9018654 (included).P/N 11-17843 ----