

TRUE BLUE POWER®

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

120 Watt DC-to-DC Converter

TC120 Series

Manufactured by Mid-Continent Instrument Co., Inc.

The TC120 Series Converter supplies 120 watts of 5 to 18-volt power to electronic equipment, lighting and cabin accessories.



The highly efficient TC120 Series DC-to-DC Converter produces 120 watts of power from an aircraft's 28 VDC input. Engineered with a fanless design, the TC120 saves space and reduces weight.

The TC120 Series Converter produces enough energy to power electronic equipment throughout the aircraft, including in-seat, cabin and cockpit power applications. Lighter and smaller than competing units, the TC120 can be conveniently mounted in the floor, cabin wall or outside the pressure vessel.

Product features

OUTPUT POWER	120 Watts
INPUT VOLTAGE	22 – 32 VDC
OUTPUT VOLTAGE	5 – 18 VDC adjustable
EFFICIENCY	95%
REMOTE ON/OFF	Optional
COOLING	None required
PROTECTION	Input transient, overload and short circuit, temperature monitoring, reverse polarity
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

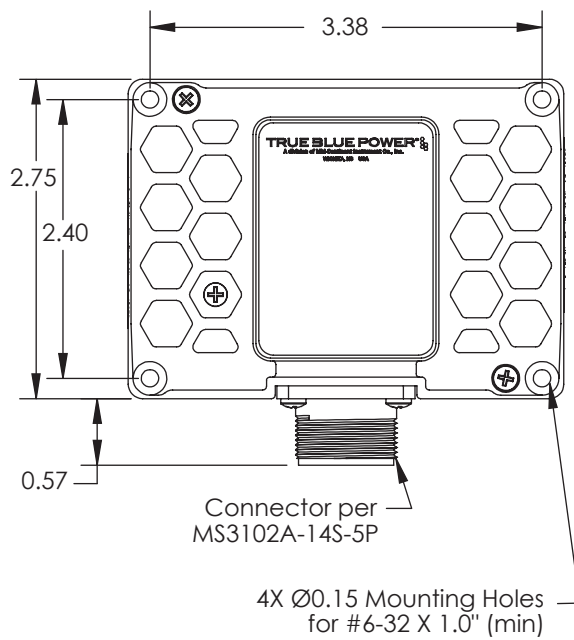
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truebluepowerusa.com

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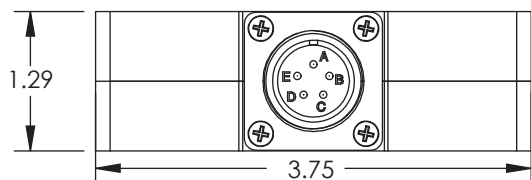


Technical specifications

INPUT VOLTAGE	22 – 32 VDC
INPUT CURRENT	5.0 A Nominal
OUTPUT VOLTAGE	5 – 18 VDC adjustable
OUTPUT POWER	120 watts
REGULATION	1% load, 2% temperature
WEIGHT	0.65 lbs (0.29 kg)
ALTITUDE	55,000 ft
TEMPERATURE	-67°F to +158°F (-55°C to +70°C)
MATING CONNECTOR	P/N 9018651
CASE	Anodized aluminum, blue
CERTIFICATION	FAA TSO C71 certified RTCA DO-160G qualified MIL-STD-461F (6430120-3) MIL-STD-704F (6430120-3) MIL-STD-810F (6430120-3)

Two options to choose from

Part Numbers 6430120-1, 6430120-3



Part Number 6430120-2 (with remote on/off feature)

