



Systems, Inc.

BC-752

DC to DC

Power Converter

800 W, 4kW Peak

Military Power

Made In

The U.S.A

Electrical Specification:

Input: 270 VDC

Outputs (8):

- +5 VDC @ 40 A
- +3.3 VDC @ 40 A
- +12 VDC @ 8 A
- 12 VDC @ 5 A
- 5 VDC @ 1 A
- +24 VDC @ 1 A
- +15 VDC @ 3 A
- +51 VDC @ 10 A Avg, 50 A Peak

800 Watts, 4kW peak

Power Holdup (all VDC except 51VDC): 50ms

Efficiency: > 70%

Isolation:

Input to Output: 50Meg @ 500VDC

Inputs to Chassis: 50Meg @ 500VDC

Outputs to Chassis: 50Meg @ 50VDC

Weight: < 12.5 lbs

Size: 8.51x7.24x3.17 inches

Protection/Status BIT

Over voltage

Over current

Over temperature

Cooling: Conduction with external air fins

Operating temperature: Mil-Std 810F

-55 deg C to +71 deg C

Humidity: 95%, condensing

EMI Filter: External Mil-Std 461E

Size: 3.50x3.37x2.65 inches (T6130-0048-003)

Size: 5.84x3.51x3.39 inches (T6130-0048-103)

Altitude: -1500 to + 16,000 ft

Operational shock & vibration: Mil-Std 810F

Shock: 10 g

Vibration: up 5.4g, down 2.7g, other axis 2.0g

MTBF: > 30,000 hours



Airborne Applications

IFF Radar, Meets CE101

BC Systems, Inc. is a designer and manufacturer of military power supplies, using the latest solid state device technology to achieve reliable specification compliant products. Power supplies are designed to meet or exceed customer requirements. Military applications include all service platforms: ground, air, and shipboard. Power supply technical qualifications are based on our vast experience in the design and manufacture of power supplies.

BC Systems employs innovative packaging and thermal management techniques that are manufactures in our state of the art facility providing enhanced production process control. Our complete in-house manufacturing capability provides our design and manufacturing team with the advantage of supplying products that achieve maximum performance, in the smallest package possible, within schedule requirements.

BC Systems is a small, veteran owned business service the U.S. Government and U.S. Military for over 30 years.

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ISO 9001:2008

AS9100 in process

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