



AC to DC POWER CONVERTER

Multiple DC Outputs

Model: BC-108

**MADE
IN THE
U.S.A.**

ELECTRICAL SPECIFICATIONS:

Input: 115 VRMS, 3 Phase, 400 Hz
IAW MIL-STD-704
Power Factor: ≥ 0.86
Inrush current < 10 A Max.

Outputs:

+12 VDC @ 4.3 Amperes Max.
-12 VDC @ 1.2 Amperes Max.
+5 VDC @ 4.5 Amperes Max.
-5 VDC @ 2.0 Amperes Max.
Ripple & Noise < 25mVp-p
+28 VDC switched pass-thru

Efficiency: 75% Minimum

Isolation:

Input to Output: 50Meg @ 500VDC
Input to chassis: 50Meg @ 500 VDC
Output to chassis: 50Meg @ 50VDC

Weight: 1.44 pounds max.

Protection/Status BIT

Over-voltage
Over-current
Over-temperature

Cooling: Conduction cooled

Temperature:

Operating: -55°C to $+85^{\circ}\text{C}$
Non-Operating: -65°C to $+95^{\circ}\text{C}$

Shock IAW MIL-STD-810D

EMI/EMC IAW MIL-STD-461E

Size: 10.1" x 5.2" x 0.70"



5 OUTPUT, 150 WATT

POWER SUPPLY

LOW PROFILE, 0.70"H, <1.5 lbs

AIR-BORNE APPLICATION

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 specified environmental 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 Inc employs innovative packaging and thermal management techniques which are manufactured onsite 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 serving the U.S. Government and U.S. Military for over 22 years. BC Systems' specializes in Power Supplies,

"This document contains technical data under U.S. Government export control regulations, (ITAR) 22 C.F.R. Parts 120-130, or (EAR) 15 C.F.R. Parts 730-774. Transfer of information in this document by any means to foreign person or entity, whether in the U.S. or abroad, without appropriate export authorization, is prohibited and may result in substantial penalties. Except as may be otherwise provided by contract, these drawings and specifications are the property of BC SYSTEMS INC., are issued in strict confidence, and shall not be reproduced, or copied, or used as the basis for manufacture or sale of apparatus without permission."

"ALL OF YOUR POWER REQUIREMENTS"



BC SYSTEMS, INC
200 BELLE MEAD ROAD
SETAUKET, N.Y. 11733
www.bcpowersys.com

**ISO 9001:2000
REGISTERED**

PHONE (631) 751-9370

FAX (631) 751-9378

E-mail: sales@bcpowersys.com