



# AC to DC Power Converter

## Multiple DC outputs

### Model: BC-751

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

#### ELECTRICAL SPECIFICATIONS:

**Input:** 115 VRMS, 3 Phase, 400 Hz  
IAW MIL-STD-704  
Power Factor: 0.88 Min.  
Inrush current < 13 A Max.

**Outputs:** Multiple DC Outputs  
+3.3 VDC @ 45 Amperes Max.  
+5 VVME @ 40 Amperes Max  
Ripple & Noise < 100mVp-p  
-5 VDC @ 0.6 Amperes Max.  
Ripple & Noise < 50mVp-p  
-12 VDC @ 5.0 Amperes  
+12 VDC @ 8.0 Amperes  
+15 VDC @ 3.0 Amperes  
Ripple & Noise < 120mVp-p  
+51 VHP @ 10 Amperes  
+24 VDC @ 1.0 Amperes  
Ripple & Noise < 240mVp-p

**Efficiency:** 77% Minimum

**Isolation:**  
Input to Output: 10Meg @ 1000VDC  
Input to chassis: 10Meg @ 1000 VDC  
Output to chassis: 10Meg @ 50VDC

**Weight:** 12 pounds max.

**Protection/Status BIT**  
Over-voltage  
Over-current  
Over-temperature

**Cooling:** Forced Air Cooling

**Temperature:**  
Operating: -40°C to +85°C  
Non-Operating: -55°C to +85°C



**MULTIPLE OUTPUTS, 800 WATT  
POWER SUPPLY  
ASW AIR-BORNE APPLICATION  
MEETS CE101 & CE102  
PER MIL-STD-461**

Shock IAW MIL-STD-810D  
Vibration IAW MIL-STD-810D  
EMI/EMC IAW MIL-STD-461

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,

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**ISO 9001:2000  
REGISTERED**

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