

# AC to DC POWER CONVERTER

## Multiple DC outputs

### Model: BC-330

**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 @ 3.5 Amperes Max.  
-5 VDC @ 1.0 Amperes Max.  
+5 VDC @ 3.0 Amperes Max.  
Ripple & Noise < 50mVp-p  
-12 VDC @ 1.0 Amperes  
+12 VDC @ 2.0 Amperes  
Ripple & Noise < 120mVp-p  
+51 VDC @ 5.0 Amperes  
+51 VHP @ 0.1 Amperes  
-68 VDC @ 0.1 Amperes  
Ripple & Noise < 200mVp-p

Efficiency: 70% Minimum

Isolation:

Input to Output: 10Meg @ 500VDC  
Input to chassis: 10Meg @ 500 VDC  
Output to chassis: 10Meg @ 50VDC

Weight: 3.5 pounds max.

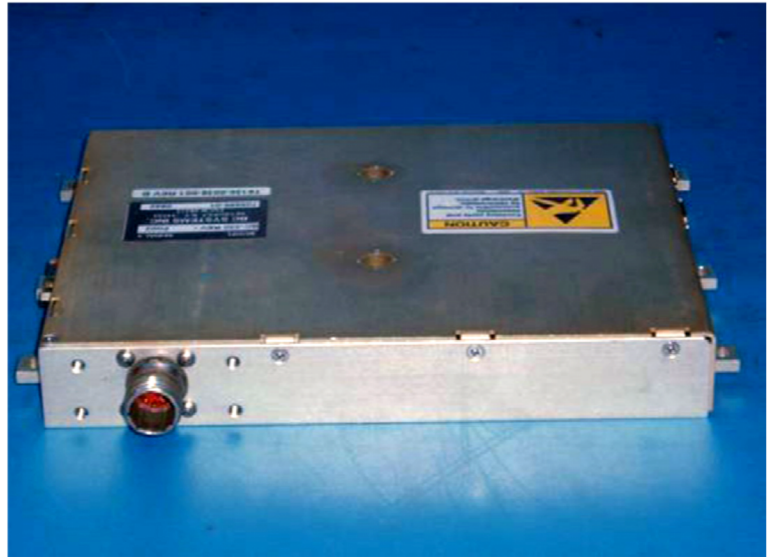
Protection/Status BIT

Over-voltage  
Over-current  
Over-temperature

Cooling: Conduction cooled

Temperature:

Operating: -40°C to +85°C  
Non-Operating: -51°C to +85°C

**320 WATTS, 3 PHASE,****400HZ MULTIPLE OUTPUT ISOLATED POWER SUPPLY****QUALIFIED TO DO-160D &****MIL-STD-704, AIR-BORNE**

Shock IAW DO160  
Vibration IAW DO-160  
EMI/EMC IAW DO-160  
Size: 9.60" x 6.8" x 1.25"

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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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