**AC to DC POWER CONVERTER**  
*Multiple DC outputs  
Model: BC-514*

**ELECTRICAL SPECIFICATIONS:**  
Input: 115 VRMS, 3 Phase, 47-440 Hz  
Outputs: DC Outputs  
+5 VDC @ 40 Amperes Max.  
+5.2 VDC @ 1.0 Amperes Max.  
-5.2 VDC @ 4.5 Amperes Max.  
Ripple & Noise < 25mVp-p  
+24 VDC @ 1.0 Amperes Max.  
Ripple & Noise < 100mVp-p  
+12 VDC @ 1.0 Amperes Max.  
-12 VDC @ 1.0 Amperes  
+15 VDC @ 9 Amperes  
+15 VDC @ 1.5 Amperes Max.  
-15 VDC @ 2 Amperes Max.  
Ripple & Noise < 50mVp-p  
Efficiency: 65% Minimum  
Isolation:  
Input to Output: 1Meg @ 500VDC  
Input to chassis: 1Meg @ 500 VDC  
Output to chassis: 1Meg @ 100VDC  
Weight: 5.5 pounds max.  
Protection/Status BIT  
Over-voltage  
Over-current  
Over-temperature Sensors  
Cooling: Forced Conduction Cooling  
Temperature:  
Operating: -20°C to +85°C  
Non-Operating: -51°C to +85°C  
Shock IAW MIL-STD-810D  
Vibration IAW MIL-STD-810D  
EMI/EMC IAW MIL-STD-461E  
Size: 11.4” x 8.5” x 1.0”

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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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