



# AC to DC POWER CONVERTER

## Multiple DC outputs

### Model: BC-514

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

#### 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"



## 9 OUTPUT, 550 WATT

## POWER SUPPLY, LOW PROFILE

## FULLY QUALIFIED

## AIR-BORNE RPV 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,

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