



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

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

ELECTRICAL SPECIFICATIONS:

Input: 115 VRMS, Three 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 < 25 mV p-p

+24 VDC @ 1.0 Amperes Max.

Ripple & Noise < 100 mV p-p

+12 VDC @ 1.0 Amperes Max.

-12 VDC @ 1.0 Amperes

+15 VDC @ 9 Amperes

+15 VDC @ 1.5 Amperes Max.

-15 VDC @ 2.0 Amperes Max.

Ripple & Noise < 50 mV p-p

Efficiency: 65% Min.

Isolation:

Input to Output: 1 Meg @ 500 VDC

Input to chassis: 1 Meg @ 500 VDC

Output to chassis: 1 Meg @ 100 VDC

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

Adequate mounting and cooling required
Extended multi year warranty available

ISO 9001:2008 REGISTERED

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 25 years. BC Systems' specializes in Power Supplies, Power Amplifiers and Power Control Products.

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"ALL OF YOUR POWER REQUIREMENTS FROM DC TO RF"



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