



# AC POWER CONVERTER

## AC and DC Outputs

### Model: BC-2100

MADE  
IN THE  
U.S.A.

#### ELECTRICAL SPECIFICATIONS:

Input: 115 VRMS, Three Phase, 400 Hz  
IAW MIL-STD-704  
Power Factor > 0.80

Outputs:  
115 VRMS, 60 Hz @ 12 Amperes  
VRMS Max.  
Ripple & Noise < 50 mV p-p  
+48 VDC @ 15 Amperes Max.  
50 milli-seconds Holdup 1900 Watts

Efficiency: 70% Min.

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

Weight: 16.25 pounds Max.

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

Cooling: Forced Conduction Cooling

Temperature:  
Operating: -20°C to +55°C  
Non-Operating: -40°C to +85°C

Vibration IAW MIL-HDBK-5400

EMI/EMC IAW MIL-STD-461E

Size: 9.4" x 12.0" x 10.3"



## 2100 WATT POWER SUPPLY

## AC & DC OUTPUTS

## FULLY QUALIFIED

## AIR-BORNE APPLICATION

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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