



# BC-900

AC to DC  
Power Converter  
1000W, 1500W Peak

Military Power  
Made In  
The U.S.A

## Electrical Specification:

### Input:

440 VAC, 3 phase, 60Hz delta;  
Will operate 50-400Hz

### Outputs: (4)

+24 VDC @ 33.3 A  
+15 VDC @ 2.3 A  
+5 VDC @ 3 A  
-15 VDC @ 1 A

Power: 1000 Watts continuous, 1500W peak

Efficiency: > 90%

### Isolation:

Input to Output: 50Meg @ 500VDC  
Inputs to Chassis: 50Meg @ 500VDC  
Outputs to Chassis: 50Meg @ 50VDC

Weight: < 4.5 lbs

Size: 8 x 4.5 x 3 inches, mounting tab protrusion: 0.62"

### Protection/Status BIT

Over voltage  
Over current  
Over temperature

Cooling: Air cooled with dual internal fans

Operating temperature: Mil-Std 810F  
-55 deg C to +71 deg C

Humidity: 95%, condensing

EMI Filter: External Mil-Std 461E

Altitude: -1500 to + 25,000 ft

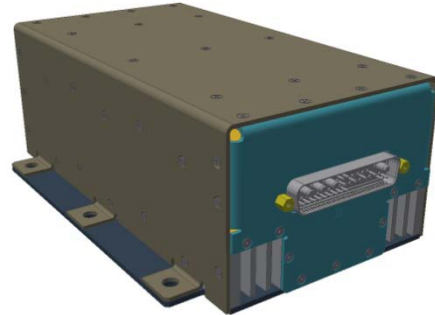
Harmonic Line Current Control

Meets CE101 and Mil-Std 1399, section 300

Operational shock & vibration: Mil-Std 810F

Shock: 200 g

MTBF: > 70,000 hours



## Shipboard and Submarine Applications

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 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 employs innovative packaging and thermal management techniques that are manufactures in our state of the art facility 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 servicing the U.S. Government and the U.S. Military for over 30 years.



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