



# AC to DC POWER CONVERTER Three Phase PFC Regulator Model: BC-6K

MADE  
IN THE  
U.S.A.

## ELECTRICAL SPECIFICATIONS:

Input: 115 VRMS, Three Phase, 400 Hz  
IAW MIL-STD-704  
Power Factor: 0.99  
Line Current Harmonics: -35 dB below  
fundamental  
Output: 355 VDC @ 11 Amperes Max.  
355 VDC @ 6.0 Amperes Max.  
Efficiency: 96% Min.  
Isolation:  
Input to Output: 1Meg @ 250 VDC  
Input to chassis: 1Meg @ 250 VDC  
Weight: 3.9 pounds  
Protection/Status BIT  
Over-voltage  
Over-current  
Over-temperature  
Missing Phase Detection  
DC Output within Specification  
Electronic Serial Number  
Independent ON/OFF Controls  
Cooling: Forced Air – Integral finned heat-sink  
Temperature:  
Operating: +30°C @ 7.5 CFM  
Non-Operating: -54°C to +85°C  
Shock: 21.6 g's, 35 milli-second  
Size: 6.1" x 8.0" x 1.75"



**6 KW OF OUTPUT POWER**

**COMPACT, RUGGEDIZED**

**MEETS CE101 FOR ASW AIRCRAFT**

**LIGHTWEIGHT < 4 lbs**

**ISO 9001:2008 REGISTERED**

Adequate mounting and cooling required  
Extended multi year warranty available

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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