



**AC to DC POWER CONVERTER**  
**Pulse Radar applications**  
**Model: BC-30K**

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

**ELECTRICAL SPECIFICATIONS:**

Input: 480 VRMS, Three Phase, 57-63 Hz  
 Power Factor 0.99

Outputs: DC Outputs  
 +32.7 VDC @ 228 Amperes Max.  
 Ripple & Noise < 150mVp-p  
 +5 VDC @ 17 Amperes Max.

Isolation:  
 Input to chassis: 20Meg @ 1000

VDC  
 Output to chassis: 10Meg @ 20VDC

Weight: 80 pounds max.

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

Cooling: Forced Conduction Cooling  
 Temperature:

Operating: -40°C to +50°C  
 Non-Operating: -40°C to +85°C

Shock IAW MIL-STD-810D

Vibration IAW MIL-STD-810D

EMI/EMC IAW MIL-STD-461E

Size: 19" x 24" x 17.5"



**30KW POWER SUPPLY**

**80 lb Weight**

**PULSED RADAR APPLICATION**

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 22 years. BC Systems' specializes in Power Supplies,

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*"ALL OF YOUR POWER REQUIREMENTS"*



**BC SYSTEMS, INC**  
**200 BELLE MEAD ROAD**  
**SETAUKET, N.Y. 11733**  
**www.bcpowersys.com**

**ISO 9001:2000  
 REGISTERED**

PHONE (631) 751-9370

FAX (631) 751-9378

E-mail: sales@bcpowersys.com