



# AC/DC POWER CONVERTER MODEL BC-3K-1F

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

## ELECTRICAL SPECIFICATIONS

**INPUT:** 185-230 VAC, Line to Line, Three Phase, 47-440Hz  
**CONDUCTED EMI:** Designed to meet FCC PART 15 SUB B LEVEL A., EN55022 LEVEL B FVG243, MIL-STD-461 CE102 and CE03.  
**OUTPUT :** 25-31VDC @ 150A, Power Limited to 5600W Max.  
Optional N+1 redundancy for parallel operation.  
**COOLING:** Air Cooled with self contained fan.  
**OVERLOAD PROTECTION:** Current Limit and Short Circuit protected.  
**OVERVOLTAGE PROTECTION:** Limited to 130% of output voltage.  
**REMOTE ON/OFF:** Grounding Control Pin turns system on.  
**REMOTE SENSE:** Optional, will compensate for 0.5V Drop on Output.  
**TEMPERATURE RANGE:** -25°C to 50°C Operating.  
**EFFICIENCY:** 90% Typical  
**POWER FACTOR:** Exceeds 0.88  
**SAFETY AGENCIES:** Designed to meet UL1950, CSA22.2, ENG0950, VDE806.  
**SIZE:** 17.91"L X 4.08"W X 4.85"H  
**WEIGHT:** Less than 15 lbs  
**QUALITY STANDARD:** ISO 9001, IPC-J-STD-001, IPC-A-610  
**MINIMUM LOAD:** No minimum load required.  
**LINE REGULATION:** 1% for all Line/Load conditions.  
**RIPPLE AND NOISE:** 1% Max.  
**LOAD REGULATION:** 1% Max for all Line/Load conditions.  
**TRANSIENT RESPONSE:** Recovery to within 1% of nominal within 200uS for 50% load change.  
**FAULT:** TTL Logic output. 30mS delay at turn-on, for power on reset implementations.  
**THERMAL PROTECTION:** Shutdown with Auto-recovery



**ISO 9001:2008 REGISTERED**

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***"ALL OF YOUR POWER REQUIREMENTS"***



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REGISTERED**

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