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.

OVERRIDE 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


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
200µs for 50% load change.

FAULT: TTL Logic output. 30ms delay at turn-on, for power on reset
implementations.

THERMAL PROTECTION: Shutdown with Auto-recovery

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.

“ALL OF YOUR POWER REQUIREMENTS”

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