AC to DC Power Converter
Multiple DC outputs
Model: BC-751

ELECTRICAL SPECIFICATIONS:

Input: 115 VRMS, 3 Phase, 400 Hz
IAW MIL-STD-704
Power Factor: 0.88 Min.
Inrush current < 13 A Max.

Outputs: Multiple DC Outputs
+3.3 VDC @ 45 Amperes Max.
+5 VVME @ 40 Amperes Max
Ripple & Noise < 100mVp-p
-5 VDC @ 0.6 Amperes Max.
Ripple & Noise < 50mVp-p
-12 VDC @ 5.0 Amperes
+12 VDC @ 8.0 Amperes
+15 VDC @ 3.0 Amperes
Ripple & Noise < 120mVp-p
+51 VHP @ 10 Amperes
+24 VDC @ 1.0 Amperes
Ripple & Noise < 240mVp-p

Efficiency: 77% Minimum
Isolation:
Input to Output: 10Meg @ 1000VDC
Input to chassis: 10Meg @ 1000 VDC
Output to chassis: 10Meg @ 50VDC

Weight: 12 pounds max.
Protection/Status BIT
Over-voltage
Over-current
Over-temperature
Cooling: Forced Air Cooling
Temperature:
Operating: -40°C to +85°C
Non-Operating: -55°C to +85°C

MULTIPLE OUTPUTS, 800 WATT
POWER SUPPLY
ASW AIR-BORNE APPLICATION
MEETS CE101 & CE102
PER MIL-STD-461

Shock IAW MIL-STD-810D
Vibration IAW MIL-STD-810D
EMI/EMC IAW MIL-STD-461

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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