

Features

- Active PFC for low harmonic distortion
- Efficiency $\approx 80\%$
- Parallel up to 3 units
- Active load sharing (10%)
- Short Circuit Protection
- Overvoltage Protection
- Inrush Protection
- Power Good Signal
- Baseplate Cooling
- Internal Monitoring Circuitry
- Thermal Monitor Output
- 30 msec hold up time



Brief Description

This low voltage AC-DC converter operates from 120Vrms, 60Hz, single phase power and produces a 1,000 watt, +28VDC output voltage. This rugged power supply is designed for use in a ground mobile application. Up to 3 power supplies can be connected in parallel providing over 3,000 watts of output power. The rugged aluminum chassis provides excellent thermal and mechanical performance.

Input Voltage

120Vrms at 60Hz, Single Phase

Output Voltage and Current

+28VDC @ 35.7 A (1000 watts)

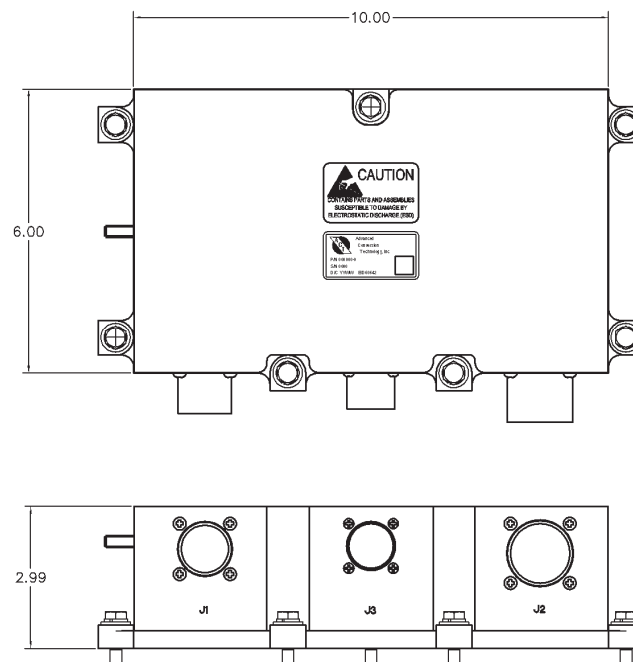
Environment

Temperature: -40°C to $+61^{\circ}\text{C}$

Shock (non-op): MIL-STD-810, Method 516.5, Proc I

Altitude: 10,000 ft.

Outline Drawing (dimensions prior to CARC paint)



Weight: <10 lbs

Connectors: Input: J1 (IT41030AFK18-11PB1N0F11), Output: J2 (IT41030AFK22-22SB1N0F11)
PS Status: J3 (D38999/20SD15PN)

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