



Advanced Conversion Technology, Inc.

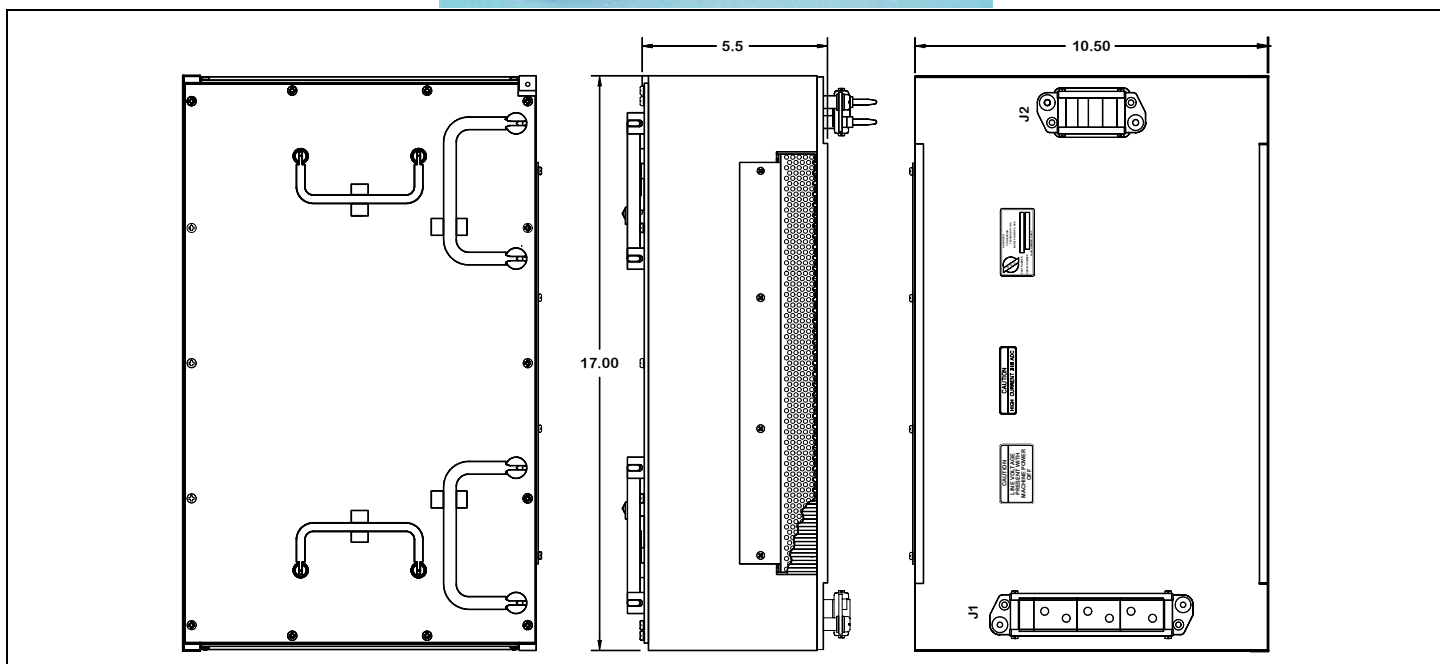
MULTI-OUTPUT
HIGH CURRENT
AC/DC POWER SUPPLY
SR – 2166-11

This low voltage AC/DC multi-output power supply operates from 115VAC, three phase, 400 Hz and produces 3 DC outputs. Off the shelf DC/DC brick type converters can be used in this design to achieve a high density, high current (2,000W) power supply. The rugged construction, integrated heatsink and Hi-Rel workmanship insures a reliable design.



FEATURES

- 75 amp Output Current
- >2,000W of Output Power
- 50 ms hold-up
- Forced Air Cooling
- Rugged Design
- Over Current Protection
- Over Voltage Protection
- Temperature Monitoring
- Output Voltage Monitoring
- ON/OFF Control



ELECTRICAL CHARACTERISTICS

Input Voltage: 115 VAC, Three Phase, 400 Hz, 5 Wire, Y Grounded Neutral

Outputs:

28 VDC @ 75 amps, max. ripple: 100 mV P-P
Regulation: $\pm 6\%$; load 25% to full; temp. 0.02% / °C
28 VDC @ 2.5 amps, max. ripple: 50 mV P-P
Regulation: $\pm 2\%$; load 10% to full; temp. 0.02% / °C
5.0 VDC @ 2.0 amps, max. ripple: 50 mV P-P
Regulation: $\pm 2\%$; load 10% to full; temp. 0.02% / °C

Environmental:

Airborne Inhabited Fighter
Temperature Range: -20°C to +55°C
Vibration: 6 g's RMS Random
Shock: 15 g peak, 20 msec. $\frac{1}{2}$ sine wave
Altitude: 30,000 ft.
Weight: 30 lbs.

Connector: Input: Hypertronics, LPH7/2BMSTH/2WMRTH/TH
Output: Hypertronics, LEH20/1DFST/3PFGT/TAH

Specifications subject to change without notice

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