



# Advanced Conversion Technology, Inc.

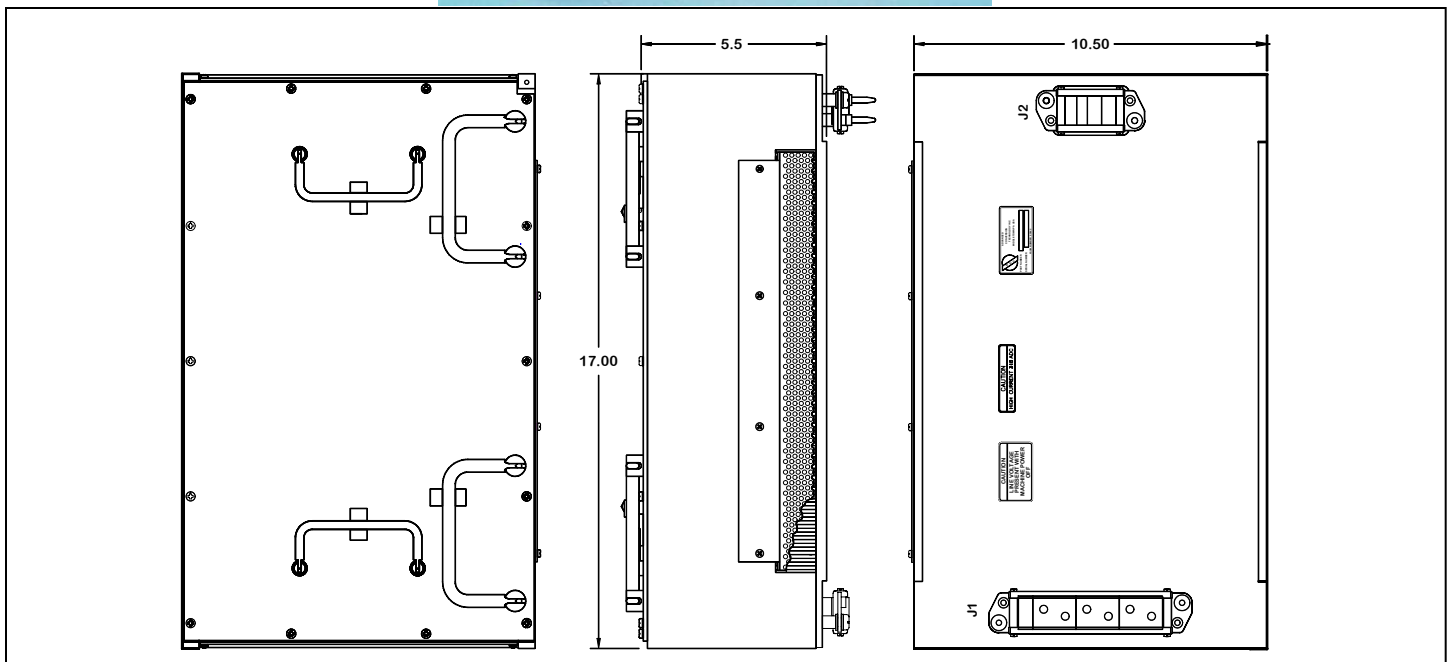
MULTI-OUTPUT  
HIGH CURRENT  
AC/DC POWER SUPPLY  
SR – 2166-11

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% /  $^{\circ}\text{C}$   
28 VDC @ 2.5 amps, max. ripple: 50 mV P-P  
Regulation:  $\pm 2\%$ ; load 10% to full; temp. 0.02% /  $^{\circ}\text{C}$   
5.0 VDC @ 2.0 amps, max. ripple: 50 mV P-P  
Regulation:  $\pm 2\%$ ; load 10% to full; temp. 0.02% /  $^{\circ}\text{C}$

### Environmental:

Airborne Inhabited Fighter  
Temperature Range:  $-20^{\circ}\text{C}$  to  $+55^{\circ}\text{C}$   
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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