



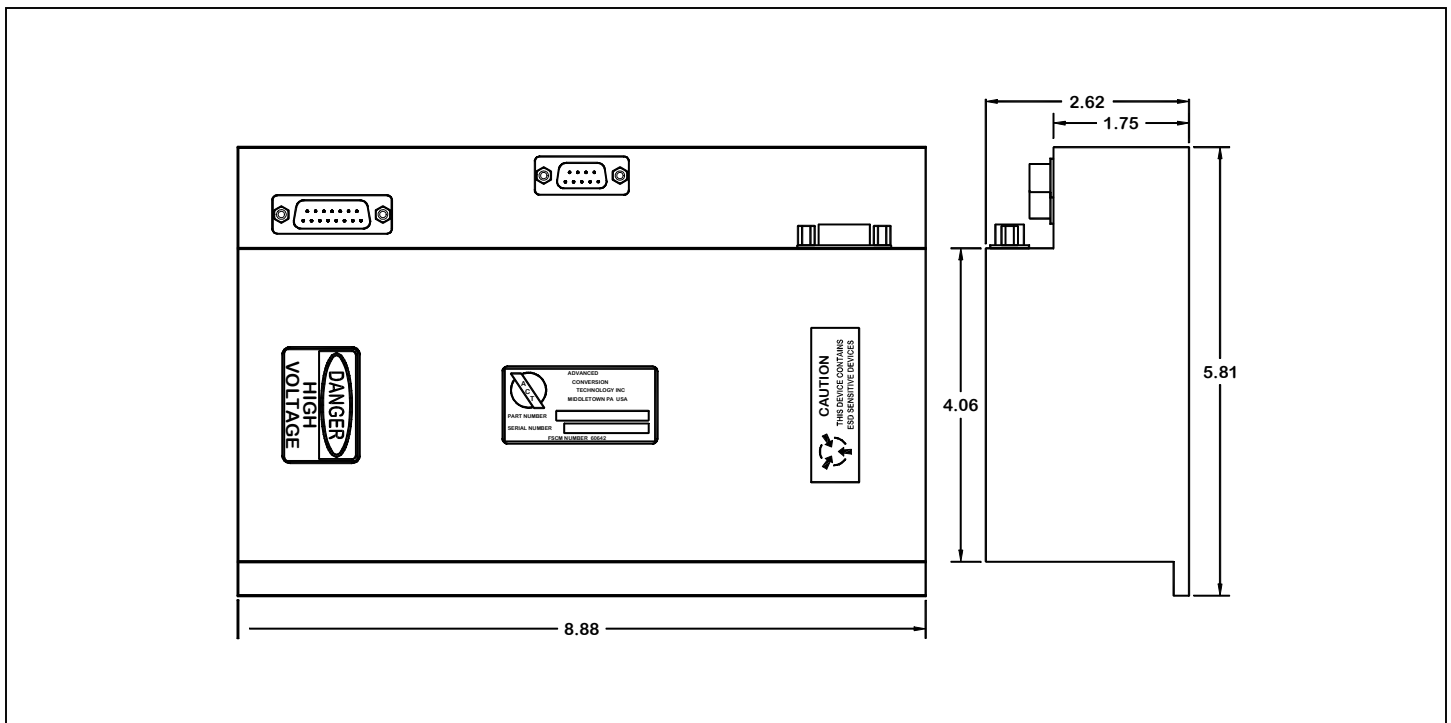
Advanced Conversion Technology, Inc.

LASER POWER UNIT AC/DC POWER SUPPLY SR – 1840

This AC/DC converter operates from three phase 400 Hz, 115V input power and produces one adjustable output voltage. This power supply contains a Power Factor Corrected (PFC) front end to provide low input current harmonic distortion. The output voltage provides the power for a laser. Power supply charges a 3,300 μ F load capacitor. It's rugged irridited aluminum housing insures a good thermal and mechanical design.

FEATURES

- 414 Watts Output Power
- Low Harmonic Distortion
- >85% Efficiency
- Adjustable Output Voltage
- PFC Front End
- RS422 Interface
- Remote On/Off
- Remote Sensing



ELECTRICAL CHARACTERISTICS

Input Voltage: 115Vrms, 3 Phase, 400 Hz per MIL-STD-704

Outputs:

+180 VDC +/- 10% @ 2.3 A
3,300 μ F capacitor load

Environmental:

Temperature Range: -32°C to +71°C, Cold Wall
Vibration: MIL-STD-810, Category 6 & 8
Shock: 10 G's, 11msec, 1/2 sine pulses
Altitude: 30,000 ft

Connector: Input; M24308/3-1

Output; M24308/1-2

Logic; M24308/1-1

Specifications subject to change without notice

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