

# Power For The New Technology

## PS2438-YE

|               |                     |
|---------------|---------------------|
| Total Power   | 80 Watts            |
| Input Voltage | 100-480 VAC +/- 20% |

### SPECIAL FEATURES

- 100-480 VAC +/- 20% input
- IEEE C62.41 category C (overvoltage class C environments)
- Hybrid surge suppression
- Line filters
- EN55022 Class B EMI
- Gas discharge tubes/spark gaps
- MOV's
- CC Class dual fusing
- Designed for harsh environment
- - 40°C to +75°C operating temperature
- Can be mounted in a fully enclosed chassis with baseplate
- E60950 and UL 1449 compliant
- Power Factor corrected

### ENVIRONMENTAL

Ambient Operating Temperature: -040 to +75°C continuous duty, full rating.

Humidity: Up to 95% non-condensing

Temperature coefficient:  $\pm 0.01\%$  / °C

Storage Temperature: - 20° to +85°C

Cooling: Convection cooled



### ELECTRICAL SPECIFICATIONS

#### Input

Input.....100 - 480 VAC +/- 20%; 50-60Hz;

Inrush Current (480 Vac).....<30 Amps peak  
Isolation.....10 kVDC (Input to Output)

Susceptibility specifications:

EN 61000-3-2 AC Input line harmonic limits  
Complies with EN55022 & FCC Class B with minimum 6 dB margin

Efficiency.....> 78% typical at full load

#### Output

DC Output.....Maximum continuous output power

80 Watts. See Voltage/Current Rating Chart.

Line / Load Regulation... ..1%

Ripple and Noise < 2% typical

Transient Response...2% Maximum deviation

### MECHANICAL

7.38" L X 1.265" Max / 1.245" Min H (at heatsink) X 5.71" W  
(187.5 mm X 32.1 / 31.6 mm X 145.2 mm)

Input connector: Fast\_On Zierick P/N 906

Output connector: Molex Mini Fit P/N 43879-0023



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## Output

Over voltage protection 130% (Hiccup)  
Over current protection 130% (Hiccup)

Over temperature protection reset with hysteresis

Short Circuit Protection.....Will withstand a continuous short without damage.

Minimum Load Rqmt.....See Voltage/Current chart.

No Load Operation.....No damage to supply when operating at no load.

Hold-Up Time.....20 mSec typical

## Voltage/Current Rating Chart

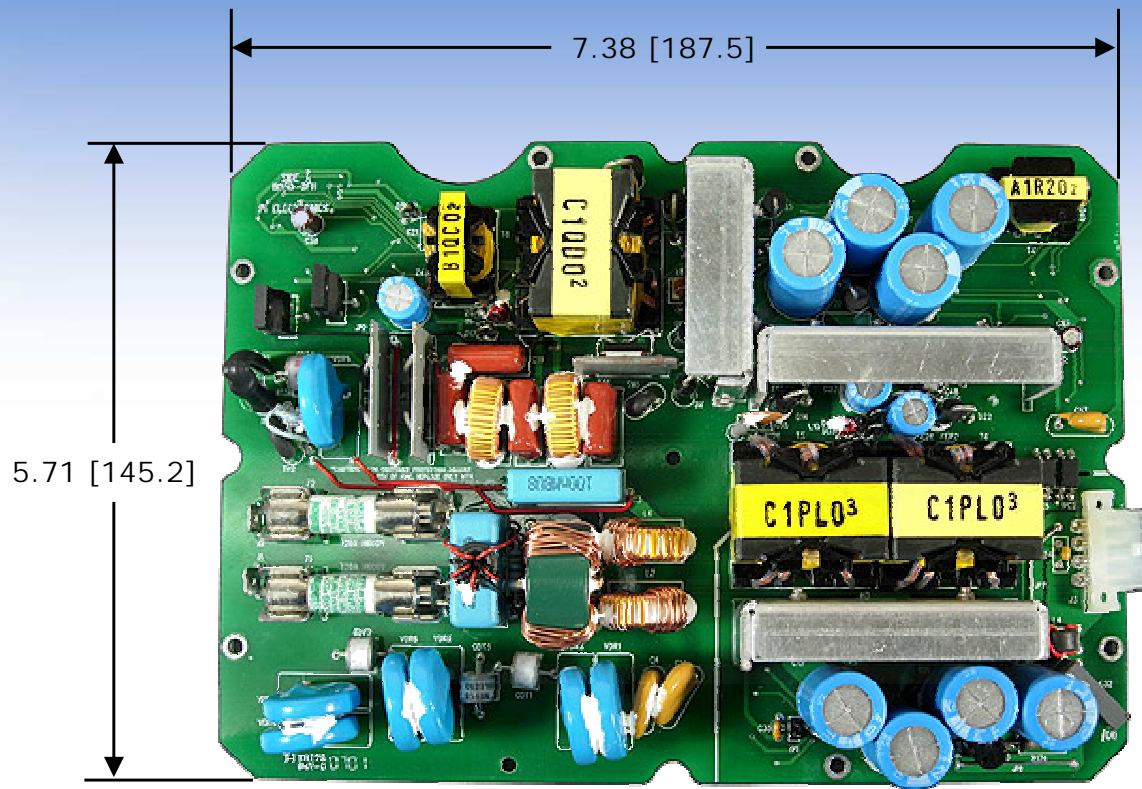
| Voltage | Current Minimum | Current Maximum |
|---------|-----------------|-----------------|
| 12V     | 0               | 6.60A           |
|         |                 |                 |

## Output Connector PIN Assignment

| Description | PIN |
|-------------|-----|
| 12V         | 1,2 |
| RTN         | 3,4 |



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