

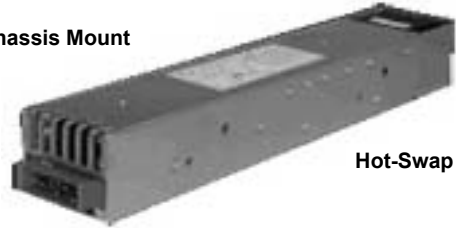
## SLIMLINE COMPACT 1U FRONT-ENDS

Up to 400 Watts with Hot Swap & Chassis Mount Models

### FEATURES

- 12, 24 or 48 VDC Outputs
- Class B Conducted EMI
- Up to 11 Watts/Cubic Inch
- 1U High Slimline Package
- Hot-Swappable & Chassis Mount Models
- Staged Pin Engagement
- Low Drop ORing Circuit
- Droop Current Sharing
- Universal 85 to 264VAC Input
- Control & Monitoring Features

Chassis Mount



Hot-Swap

Hot-Swap Models Shown



**TWO-YEAR WARRANTY**

### STANDARD MODELS

OUTPUT VOLTAGE	OUTPUT CURRENT	MAX. OUTPUT POWER	INPUT VOLTAGE	MODEL NUMBER	CHASSIS MOUNT	HOT PLUG
12VDC	17A	200W	85-264VAC	L12-17-09	X	
24VDC	9A	200W	85-264VAC	L24-9-09	X	
48VDC	4.2A	200W	85-264VAC	L48-4.2-03-RH6		X
12VDC	33A	400W	85-264VAC	LE12-33-05-RH6		X
48VDC	8.3A	400W	85-264VAC	LE48-8.3-03-RH6		X

Contact the factory for other non-standard models.

### SAFETY STANDARDS

- UL60950-1
- CSA22.2, No. 60950-1
- EN60950-1

## SPECIFICATIONS, 1U FRONT ENDS

Typical at Nominal 115/230VAC Line, Full Load and 25°C Unless Otherwise Noted.

### OUTPUT SPECIFICATIONS

Total Output Power, Continuous, Max ..... 200-400 Watts  
 Voltage Adjustment Range, Min. .... ±5%  
 Total Regulation,<sup>1</sup> ..... 3.0%  
 Ripple & Noise, Pk-Pk, 20MHz Bandwidth ..... 1%  
 Holdup Time ..... 8-16mS  
 Dynamic Response ..... 500µS  
 Minimum Load ..... 0A  
 Overload Protection ..... Auto Recovery  
 Overvoltage Protection ..... Latched Shutdown  
 Remote Sense ..... Up to 0.25V Per Wire  
 Current Share ..... ±10% Full Load Rating Typical  
 DC Power Good Signal ..... Note 2  
 Overtemperature protection ..... All Units Shutdown  
 Overtemp / Fail Fan Option ..... LE12 model Note 3

### INPUT SPECIFICATIONS

**L Series** ..... 85-264VAC  
 For operation from 100VAC to 85VAC derate output current linearly to 85%  
**LE Series** ..... 85-264VAC  
 For operation from 105VAC to 85VAC derate output current linearly to 80%  
 Power Factor ..... 0.99  
 Input Frequency ..... 47-63VAC  
 Inrush Current Limiting, ..... 230VAC-50A  
 ..... 115VAC-25A  
 Harmonic Distortion ..... EN61000-3-2

### GENERAL SPECIFICATIONS

Efficiency ..... 75-80% at Full Load  
 Conducted EMI ..... EN55022 Curve B  
 FCC20780 pt 15J Curve B  
 Input Immunity, Conducted  
 Fast Transients, Line-Line ..... ±2kV (EN61000-4-4 Level 3)  
 Surges, Line-Line ..... ±2kV (EN61000-4-5 Level 3)  
 Surges, Line-Ground ..... ±4kV (EN61000-4-5 Level 3)  
 MTBF (Bellcore) ..... 200,000 Hours  
 Safety Standards ..... EN60950, UL160950, CSA22.2 No.60950

### ENVIRONMENTAL SPECIFICATIONS

Operating Temperature ..... 0°C to 70°C Ambient  
 Derating ..... 2.5% / °C, 50°C to 70°C  
 Storage Temperature ..... -40°C to +85°C  
 Cooling ..... Integral Ball Bearing Fan

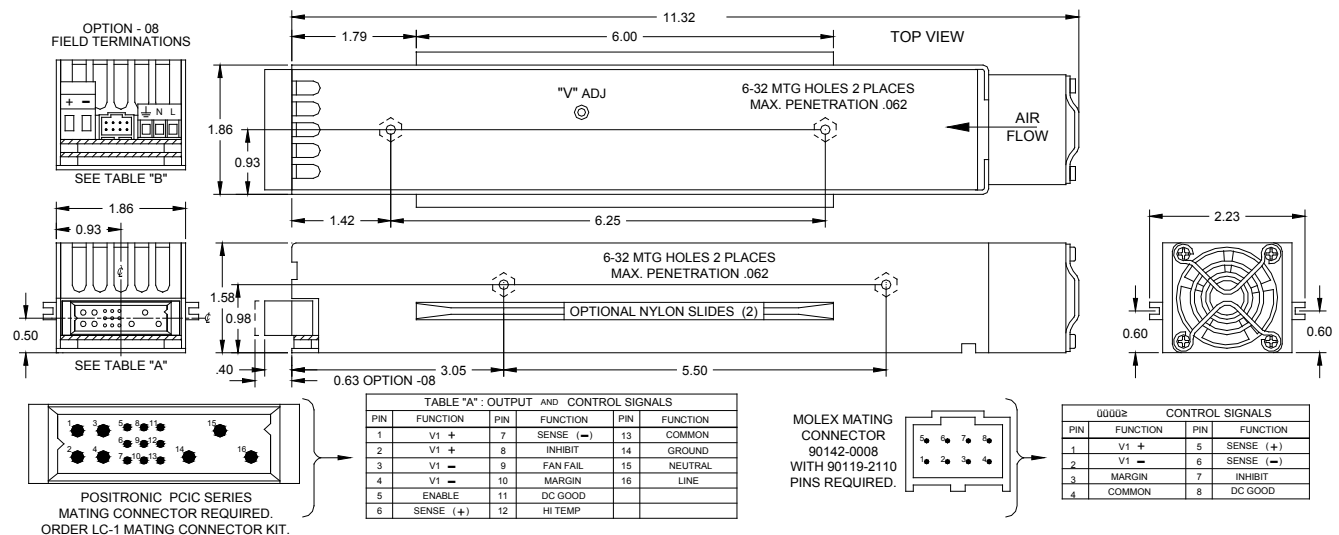
### PHYSICAL SPECIFICATIONS

Case Material ..... Aluminum  
 Dimensions, Inches (mm)  
 200W ..... 1.58 H x 1.86 W x 11.32 D  
 (40.13 x 47.24 x 287.53)  
 400W ..... 1.58 H x 2.10 W x 11.32 D  
 (40.13 x 53.34 x 287.53)  
 Weight ..... 2.00 lbs. (0.90 kg.)

### NOTES:

1. No load to full load, including line and load regulation including droop current share.
2. TTL compatible open collector Output Fail referenced to common pin when output drops by 10% or more.
3. Hi-Temp: TTL compatible logic signal provides warning when unit approaches thermal shutdown. Fan Fail: TTL compatible logic signal provides warning when fan speed is inadequate to cool unit.

## L SERIES DRAWING



**Distributed by:** Power Sources Unlimited, Inc., Wrentham, MA Tel: 508-384-1419 | E-mail: sales@psui.com | Website: www.psui.com

ALL DIMENSIONS IN INCHES (mm).  
 All specifications subject to change without notice.

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## LE SERIES DRAWING

