L6R48 / L6R60 Series

48W / 60W Wall Mount Power Supplies

- DOE Level VI Efficiency Rating
- Universal Input: 90 ~ 264Vac, 47/63 Hz
- UL/cUL Safety Approved
- Corded DC Output Connector
- Light Weight and Compact



Model No.	Application	Output Connector	Output Voltage	Output Current			Voltage	Ripple	Line	Load
				Min	Rated	Peak	Accuracy	Noise	Reg.	Reg.
L6R48-120400	ITE	2.1mm I.D. x 5.5mm O.D. x 9.5mm Barrel	+12.0V	0	4.0	_	±5%	< ± 1%	± 1%	± 5%
L6R48-180267	ITE		+18.0V	0	2.7	_	±5%	< ± 1%	± 1%	± 5%
L6R48-240200	ITE		+24.0V	0	2.0	-	±5%	< ± 1%	± 1%	± 5%
L6R48-300160	ITE		+30.0V	0	1.6	_	±5%	< ± 1%	± 1%	± 5%
L6R48-360133	ITE		+36.0V	0	1.3	_	±5%	< ± 1%	± 1%	± 5%
L6R60-120	ITE		+12.0V	0	5.0	_	±5%	< ± 1%	± 1%	± 5%
L6R60-180	ITE		+18.0V	0	3.3	_	±5%	< ± 1%	± 1%	± 5%
L6R60-240	ITE		+24.0V	0	2.5	_	±5%	< ± 1%	± 1%	± 5%
L6R60-300	ITE		+30.0V	0	2.0	_	±5%	< ± 1%	± 1%	± 5%
L6R60-360	ITE		+36.0V	0	1.6	_	±5%	< ± 1%	± 1%	± 5%

- Output voltages from 5.0Vdc to 36.0Vdc are available in increments of 0.1V. Please contact Tri-Mag, LLC for the part number and specifications for your output voltage
 requirement and application. Output voltages from 6.0V to 8.9V do not meet Level VI efficiency requirements and are subject to associated importation regulations.
- The output voltage is verified to specs at 60 percent rated load condition.
- The line regulation is defined by changing ± 10 percent of input voltage from the nominal line at rated load.
- The load regulation is defined by changing ± 40 percent of the measured output load from 60 percent of the rated load.
- The **ripple and noise** is measured by using 20MHz bandwidth limited oscilloscope with each output terminated with a 10 μF electrolytic and a 0.1 μF capacitor at rated load and nominal line
- The efficiency is measured at rated load and nominal line.





L6R48 / L6R60 Series

Economical and dependable whether powering stationary or portable devices.

This DOE Level VI compliant power supply/charger is rated up to 60W, with plenty of voltage levels to

choose from: 12.0Vdc to 36.0Vdc (in increments of 0.1V), to match your specific need.

Call us (800-657-0853) for the part number to match your particular need.

Specifications

Input

Input Voltage
Input Frequency

- 90 Vac ~ 264 Vac47 Hz to 63 Hz< 0.1W
- No Load Input Power Input Current Inrush Current
- 1.2A Max.40A Max.
- Leakage Current
 Input Connection
- 0.25mA Max.US (others available)

Output

Output Voltage Range Output Current Range

- 5.0 to 36.0 Vdc
- L6R48: 5.0 1.3 A, 48W Max.
- L6R60: 6.0 1.6 A, 60W Max.

Minimum Load Line Regulation

- No min. load required.
- ± 1% at rated load across input voltage range

Load Regulation

Ripple & Noise
Overvoltage Protection
Overload Protection

240mVp-p Max.Auto recovery

± 5%

- Overload Protection

 Short Circuit Protection
 - Auto recoveryAuto recovery
- General

Insulation Resistance Efficiency MTBF

- 50MΩ Min.
- Level VI compliant
- 50,000 hrs to MIL-HDBK-217F at +25°C

Environmental

Operating Temperature
Operating Humidity
Storage Temperature

- 0°C to 40°C
- 5% 95% RH, Non-Condensing
- -20°C to +80°C

EMC & Safety

Safety Approvals

- UL: UL60950-1
- cUL: UL60950-1
- **EMC Approvals**
- FCC

Warranty

Warranty Period

• 1 year

Dimensions and Notes

Dimensions in mm

Tolerance

• ± 0.2mm

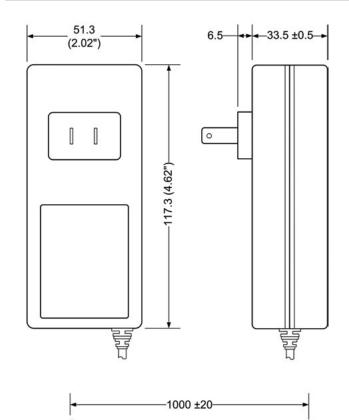
Size

Weight

Connectors

- 117.3 x 51.3 x 40.0 mm
- 4.62 x 2.02 x 1.57 Inches
- Approx. 200g (7.0oz.)
 - AC input, US 2-prong inlet plug
 - DC output, standard 2.1mm x 5.5mm x 9.5mm corded dc barrel connector or per customer specification.
 - customer specification.
- Cord length
- 1000 ± 20 mm (39.3 ± .8")

Mechanical Drawing



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