L6R36/L6R48 Series

36W/48W Wall Mount Power Supplies

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



Model No.	Application	Output Connector	Output Voltage	Output Current			Voltage	Ripple	Line	Load
				Min	Rated	Peak	Accuracy	Noise	Reg.	Reg.
L6R36-090	ITE	Corded Jack	+9.0V	0	4.0	_	±5%	< ± 1%	± 1%	± 5%
L6R36-120	ITE	Corded Jack	+12.0V	0	3.0	_	±5%	< ± 1%	± 1%	± 5%
L6R36-180	ITE	Corded Jack	+18.0V	0	2.0	_	±5%	< ± 1%	± 1%	± 5%
L6R36-240	ITE	Corded Jack	+24.0V	0	1.5	_	±5%	< ± 1%	± 1%	± 5%
L6R36-300	ITE	Corded Jack	+30.0V	0	1.2	_	±5%	< ± 1%	± 1%	± 5%
L6R36-360	ITE	Corded Jack	+36.0V	0	1.0	_	±5%	< ± 1%	± 1%	± 5%
L6R48-090	ITE	Corded Jack	+9.0V	0	5.0	_	±5%	< ± 1%	± 1%	± 5%
L6R48-120	ITE	Corded Jack	+12.0V	0	4.0	_	±5%	< ± 1%	± 1%	± 5%
L6R48-180	ITE	Corded Jack	+18.0V	0	2.67	_	±5%	< ± 1%	± 1%	± 5%
L6R48-240	ITE	Corded Jack	+24.0V	0	2.0	_	±5%	< ± 1%	± 1%	± 5%
L6R48-300	ITE	Corded Jack	+30.0V	0	1.6	_	±5%	< ± 1%	± 1%	± 5%
L6R48-360	ITE	Corded Jack	+36.0V	0	1.33	-	±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.
- 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.





L6R36/L6R48 Series

Economical and dependable whether powering stationary or portable devices.

This DOE Level VI compliant power supply/charger is rated up to 48W, with plenty of voltage levels to

choose from: 5.0Vdc 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

- No Load Input Power Input Current
- Inrush Current Leakage Current Input Connection
- 90 Vac ~ 264 Vac
- 47 Hz to 63 Hz
- < 0.1W1.2A Max.
- 40A Max.0.25mA Max.
- US (others available)

Output

Output Voltage Range Output Current Range

- 5.0 to 36.0 Vdc
- L6R36: 1.0 5.0A, 36W Max.
- L6R48: 1.3 5.0A, 48W Max.

Minimum Load Line Regulation

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

Load Regulation

Ripple & Noise Overvoltage Protection 240mVp-p Max.Auto recovery

± 5%

- Overload Protection Short Circuit Protection
- Auto recoveryAuto recovery

General

Insulation Resistance Efficiency

- $50M\Omega$ Min.
- · Level VI compliant
- MTBF
- 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

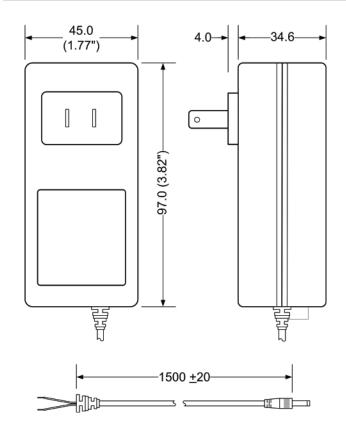
Size

- 97.0 x 45.0 x 34.6 mm
- 3.82 x 1.77 x 1.36 Inches
- Weight Approx. 200g (7.0oz.)
 - AC input, US 2-prong inlet plug
 - DC output, standard 5.5mm x 2.1mm corded dc output jack or per customer specification.
- Cord length

Connectors

• 1500 ± 20 mm (59 ± .8")

Mechanical Drawing



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