L6R60D Series

65W Desktop Power Supply

- DOE Level VI Efficiency Rating
- Universal Input: 90 ~ 264Vac, 47/63 Hz
- UL/cUL Safety Approved
- · Corded Output Connection
- IEC 60320 C6, C8 or C14 AC input connectors
- · Light Weight and Compact



Model No.¹	Application	Output Connector	Output Voltage	Output Current			Voltage	Ripple	Line	Load
				Min	Rated	Peak	Accuracy	Noise	Reg.	Reg.
L6R60D-090_	ITE	Corded Jack	+9.0V	0	7.00	_	±5%	< ± 1%	± 1%	± 5%
L6R60D-120_	ITE	Corded Jack	+12.0V	0	5.41	_	±5%	< ± 1%	± 1%	± 5%
L6R60D-180_	ITE	Corded Jack	+18.0V	0	3.61	_	±5%	< ± 1%	± 1%	± 5%
L6R60D-240_	ITE	Corded Jack	+24.0V	0	2.71	_	±5%	< ± 1%	± 1%	± 5%
L6R60D-300_	ITE	Corded Jack	+30.0V	0	2.16	_	±5%	< ± 1%	± 1%	± 5%
L6R60D-360_	ITE	Corded Jack	+36.0V	0	1.81	_	±5%	< ± 1%	± 1%	± 5%
L6R60D-420_	ITE	Corded Jack	+42.0V	0	1.55	_	±5%	< ± 1%	± 1%	± 5%
L6R60D-480_	ITE	Corded Jack	+48.0V	0	1.35	_	±5%	< ± 1%	± 1%	± 5%

^{1.} Add "C6", "C8", or "C14" for the required AC input connector configuration.

- Output voltages from 5.0Vdc to 48.0Vdc 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.





L6R60D Series

Innovative, reliable, and inexpensive. This economical DOE Level VI compliant power supply/ charger is available in a variety of voltage levels,

5.0Vdc to 48.0Vdc (in increments of 0.1V) to match your needs. Rated up to 65W when powering either stationary or charging portable devices.

Specifications

Input Input Voltage 90 Vac ~ 264 Vac Input Frequency 47 Hz to 63 Hz No Load Input Power < 0.1W Input Current 1.2A Max. Inrush Current 40A Max. Leakage Current 0.25mA Max. Input Connection US (others available) Output

Output	
Output Voltage Range	• 5.0 to 36.0 Vdc
Output Current Range	• 1.35 to 7.0 A
Minimum Load	No min. load required.
Line Regulation	 ± 1% at rated load across input voltage range
Load Regulation	• ± 5%
Ripple & Noise	 240mVp-p Max.
Overvoltage Protection	Auto recovery
Overload Protection	Auto recovery
Short Circuit Protection	Auto recovery
0	

General

Insulation Resistance	•
Efficiency	•
MTBF	

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

Environmental

Operating Temperature	•	0°C to 40°C
Operating Humidity	•	5% - 95% RH, Non-Condensing
Storage Temperature	•	-20°C to +80°C

EMC & Safety

Safety Approvals	•	UL: UL60950-1
	•	cUL: UL60950-1
EMC Approvals	•	FCC

Warranty

Cord length

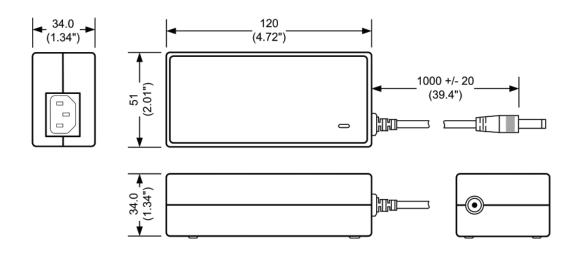
Warranty Period • 1 year

Dimensions and Notes

Dimensions in mm	
Tolerance	• ± 0.2mm
Size	• 120.0 x 51.0 x 34.0 mm
	 4.72 x 2.01 x 1.34 Inches
Weight	 Approx. 280g (9.9oz.)
Connectors	 AC input; IEC 60320 C6, C8 or C14 connector
	 DC output, standard 5.5mm x 2.1mm corded dc output jack or per customer specification.

• 1000 ± 20mm (39.4 ± .8")

Mechanical Drawing



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