### **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%

<sup>1.</sup> An IEC 60320 C8 connector is the standard AC input configuration. For alternate input connector options, add "C6" or "C14" to designate the desired input 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. 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.





# **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 Input Frequency No Load Input Power Input Current Inrush Current Leakage Current Input Connection • 90 Vac ~ 264 Vac • 47 Hz to 63 Hz • < 0.1W • 1.2A Max. • 40A Max. • 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	<ul> <li>± 1% at rated load across input voltage range</li> </ul>
Load Regulation	• ± 5%
Ripple & Noise	<ul> <li>240mVp-p Max.</li> </ul>
Overvoltage Protection	Auto recovery
Overload Protection	Auto recovery
Short Circuit Protection	Auto recovery

#### General

5°C
5

#### 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

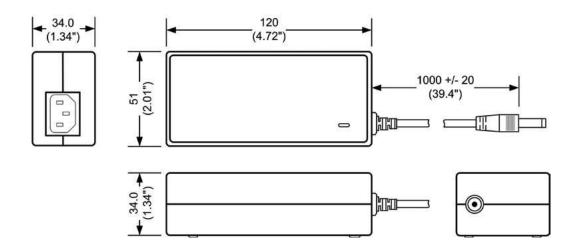
Warranty Period • 1 year

#### **Dimensions and Notes**

Dimensions in mm	• ± 0.2mm			
Tolerance	• ± 0.2mm			
Size	• 120.0 x 51.0 x 34.0 mm			
	<ul> <li>4.72 x 2.01 x 1.34 Inches</li> </ul>			
Weight	<ul> <li>Approx. 280g (9.9oz.)</li> </ul>			
Connectors	<ul> <li>AC Input: IEC 60320 C8 is standard. Add "C6" or "C14" for optional input connections.</li> </ul>			
	<ul> <li>DC output, standard 5.5mm x 2.1mm corded dc output jack or per customer specification.</li> </ul>			

• 1000 ± 20mm (39.4 ± .8")

#### Mechanical Drawing



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