## **L6R160D Series**

# 160W Desktop Power Supply

- DOE Level VI Efficiency Rating
- Universal Input: 90 ~ 264Vac, 47/63 Hz
- UL/cUL/IEC 62368-1 Approved
- Corded Output Connection
- IEC 60320 C6 and C14 AC input connectors
- Light Weight and Compact



Model No. <sup>1</sup>	Application	Output Connector	Output Voltage	Output Current (A)			Voltage	Ripple	Line	Load
				Min	Rated	Peak	Accuracy	Noise	Reg.	Reg.
L6R160D-120	ITE	4-Pin Circular DIN	+12.0V	0	12.50	-	±5%	< ± 2%	± 1%	± 5%
L6R160D-150	ITE		+15.0V	0	10.00	-	±5%	< ± 2%	± 1%	± 5%
L6R160D-190	ITE		+19.0V	0	8.40	-	±5%	< ± 2%	± 1%	± 5%
L6R160D-240	ITE		+24.0V	0	6.60	-	±5%	< ± 2%	± 1%	± 5%
L6R160D-480	ITE		+48.0V	0	3.30	-	±5%	< ± 2%	± 1%	± 5%
L6R160D-560	ITE		+56.0V	0	2.86	_	±5%	< ± 2%	± 1%	± 5%

<sup>1.</sup> Add "C6" or "C14" for the required AC input connector configuration.

- 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  $\pm$  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.





### **L6R160D Series**

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

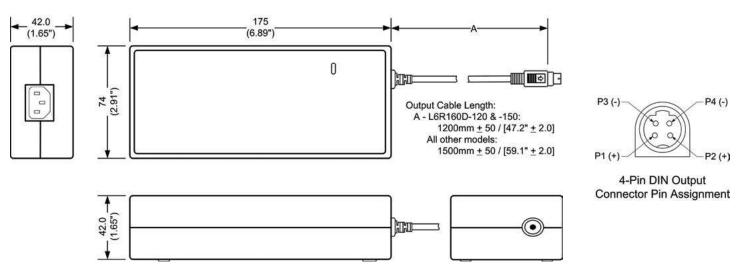
12.0 to 56.0Vdc (per the model number table) to match your needs. Rated up to 160W when powering either stationary or charging portable devices.

#### **Specifications**

#### Environmental Input 90 Vac ~ 264 Vac Operating Temperature 0°C to 40°C Input Voltage Input Frequency 47 Hz to 63 Hz Operating Humidity 20 to 80% RH, Non-Condensing No Load Input Power < 0.15WStorage Temperature -20°C to +80°C Input Current 2.2A Max. Storage Humidity 10 to 90%, Non-Condensing 60A Max. / 230Vac Inrush Current EMC & Safety Leakage Current 3.5mA Max. Input Connection IEC 60320 C6 or C14 Safety Approvals UL/cUL: UL/cUL 62368-1, 60950-1 CE: IEC 62368-1, 60950-1 Output **EMC** Approvals FCC 12.0 to 56.0Vdc Output Voltage Range Warranty **Output Current Range** 12.5 to 2.86A Warranty Period Minimum Load No min. load required. • 1 year Line Regulation ± 1% at rated load across input **Dimensions and Notes** voltage range Load Regulation ± 5% (typical) Dimensions in mm Ripple & Noise 2% Vp-p Max. @ full load Tolerance ± 0.2mm Overvoltage Protection Auto recovery Size L 175 x W 74 x H 42 (mm) L 6.89" x W 2.91" x H 1.65" Overload Protection Auto recovery Weight Approx. 700g (1.54 lb.) (Ref.) Short Circuit Protection Auto recovery Connectors AC input; IEC 60320 C6 or C14 connector General DC output; 4-pin circular DIN output Dielectric Withstand • 3,000Vac Primary to Secondary connector or per customer specification. Efficiency Level VI, ErP Stage 2, CoC Tier 2 compliant L6R160D-120: 1200 ±30 mm (47.2 ±1.2") Output Cord length

#### Mechanical Drawing

**MTBF** 



2020-12

All other P/Ns: 1500 ±30 mm (59 ±1.2")

300,000 hrs. @ 25°C per Telcordia SR-332