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. ¹	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%

^{1.} 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.





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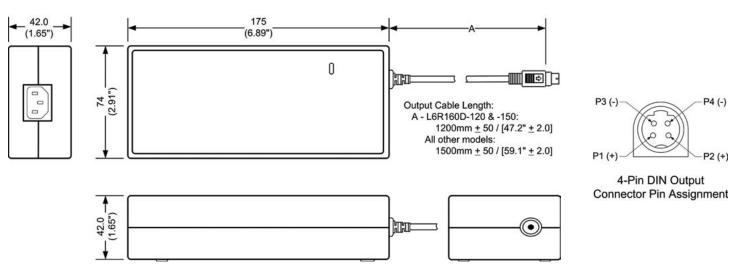
Innovative, reliable, and inexpensive. This economical DOE Level VI compliant power supply/ charger is available in a variety of voltage levels,

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

Mechanical Drawing



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