GREEN POWER

L6R300D Series

300W 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
- RoHS Compliant Class II Design



Model No. ¹	Application	Output Connector	Output Voltage	Output Current (A)			Voltage	Ripple	Line	Load
				Min	Rated	Peak	Accuracy	Noise	Reg.	Reg.
L6R300D-120	ITE	6-Pin rectangular	+12.0V	0	24.00	_	±5%	< ± 2%	±1%	± 5%
L6R300D-190	ITE	6-Pin rectangular	+19.0V	0	15.78	_	±5%	< ± 2%	±1%	± 5%
L6R300D-240	ITE	6-Pin rectangular	+24.0V	0	12.50	_	±5%	< ± 2%	±1%	± 5%
L6R300D-480	ITE	6-Pin rectangular	+48.0V	0	6.25	_	±5%	< ± 2%	± 1%	± 5%
L6R300D-560	ITE	6-Pin rectangular	+56.0V	0	5.36	_	±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 ± 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.





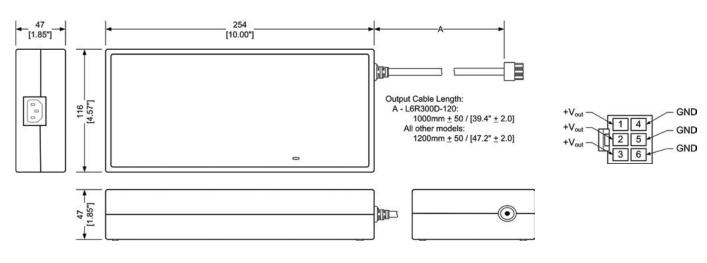
L6R300D Series

Innovative, reliable, and inexpensive. This economical, Class II design is a 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 300W when powering either stationary or charging portable devices.

Specifications

Input		Environmental					
Input Voltage	• 90 Vac ~ 264 Vac	Operating Temperature	• 0°C to 40°C				
Input Frequency	• 47 Hz to 63 Hz	Operating Humidity	• 20 to 80% RH, Non-Condensing				
No Load Input Power	Load Input Power • < 0.5W		 -20°C to +80°C 				
Input Current	• 3.9A Max.	Storage Humidity	 10 to 90%, Non-Condensing 				
Inrush Current	• 60A Max. / 230Vac						
Leakage Current	akage Current • 3.5mA Max.		EMC & Safety				
Put 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				
Output Voltage Range	• 12.0 to 56.0Vdc						
Output Current Range	• 24.0 to 5.36A	Warranty					
Minimum Load	No min. load required.	Warranty Period	• 1 year				
Line Regulation	 ± 1% at rated load across input voltage range 	Dimensions and Notes					
Load Regulation	• ± 5% (typical)	Dimensions in mm					
Ripple & Noise	 2% Vp-p Max. @ full load 	Tolerance	• ± 0.2mm				
Overvoltage Protection	Auto recovery	Size	• L 254 x W 116 x H 47 (mm)				
Overload Protection	Auto recovery		L 10.00" x W 4.57" x H 1.85"				
Short Circuit Protection	Auto recovery	Weight	 Approx. 1600g (3.52 lb.) (Ref.) 				
General		Connectors	 AC input; IEC 60320 C6 or C14 connector 				
Dielectric Withstand	3,000Vac Primary to Secondary		 DC output; 6-pin (2x3) rectangular output connector or per customer specification. 				
Efficiency	Level VI, ErP Stage 2, CoC Tier 2 compliant		 L6R300D-120: 1000 ±30 mm (39.4 ±1.2") All other P/Ns: 1200 ±30 mm (47.2 ±1.2") 				
MTBF							

Mechanical Drawing



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