# **L6R200D Series**

# 200W 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.
L6R200D-120	ITE	4-Pin Circular DIN	+12.0V	0	16.00	_	±5%	< ± 2%	± 1%	± 5%
L6R200D-135	ITE	4-Pin Circular DIN	+13.5V	0	14.00	_	±5%	< ± 2%	± 1%	± 5%
L6R200D-190	ITE	4-Pin Circular DIN	+19.0V	0	10.50	_	±5%	< ± 2%	± 1%	± 5%
L6R200D-240	ITE	4-Pin Circular DIN	+24.0V	0	8.30	_	±5%	< ± 2%	± 1%	± 5%
L6R200D-480	ITE	4-Pin Circular DIN	+48.0V	0	4.17	_	±5%	< ± 2%	± 1%	± 5%
L6R200D-560	ITE	4-Pin Circular DIN	+56.0V	0	3.58	_	±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 ± 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.





# **L6R200D 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 200W 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
- < 0.15W
- 2.8A Max.
- 60A Max. / 230Vac
- 3.5mA Max.
- IEC 60320 C6 or C14

## Output

Output Voltage Range **Output Current Range** Minimum Load Line Regulation

- 12.0 to 56.0Vdc
- 16.0 to 3.58A
- No min. load required.
- ± 1% at rated load across input voltage range

Load Regulation Ripple & Noise

Overvoltage Protection

Overload Protection Short Circuit Protection

- ± 5% (typical) 2% Vp-p Max. @ full load
- Auto recovery
- Auto recovery Auto recovery

#### General

Dielectric Withstand Efficiency **MTBF** 

- 3,000Vac Primary to Secondary
- Level VI, ErP Stage 2, CoC Tier 2 compliant
- 300,000 hrs. @ 25°C per Telcordia SR-332

#### Environmental

Operating Temperature Operating Humidity Storage Temperature

Storage Humidity

- 0°C to 40°C
- 20 to 80% RH, Non-Condensing
- -20°C to +80°C
- 10 to 90%, Non-Condensing

## EMC & Safety

Safety Approvals

**EMC** Approvals

- UL/cUL: UL/cUL 62368-1, 60950-1
- CE: IEC 62368-1, 60950-1
- FCC

### Warranty

Warranty Period

• 1 year

## **Dimensions and Notes**

Dimensions in mm Tolerance

Size

Weight

Connectors

± 0.2mm

L 183 x W 81 x H 42 (mm) L 7.20" x W 3.19" x H 1.65"

Approx. 850g (1.87 lb.) (Ref.)

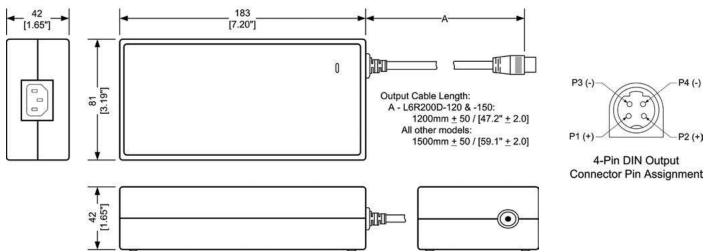
AC input; IEC 60320 C6 or C14 connector

DC output; 4-pin circular DIN output connector or per customer specification.

L6R200D-120 & -135: 1200 ±30 mm Output Cord length

(47.2 ±1.2") All other P/Ns: 1500 ±30 mm (59 ±1.2")

# Mechanical Drawing



2021-01