

L6R200DM Series

200W Medical Power Supply

- DOE Level VI Efficiency Rating
- Universal Input: 90 ~ 264Vac, 47/63 Hz
- ANSI/AAMI/IEC/EN ES60601-1:2012 Approved
- Means of Protection: 2xMOPP
- Corded Output Connection
- IEC 60320 C6 / C14 AC input connectors
- Light Weight and Compact
- 2-Year Warranty



Model No. ¹	Application	Output Connector	Output Voltage	Output Current (A)			Voltage	Ripple	Line	Load
				Min	Rated	Peak	Accuracy	Noise	Reg.	Reg.
L6R200DM-120	Medical	Corded Connector	+12.0V	0	16.00	_	±5%	< ± 2%	± 1%	± 5%
L6R200DM-180	Medical	Corded Connector	+18.0V	0	11.00	-	±5%	< ± 2%	± 1%	± 5%
L6R200DM-190	Medical	Corded Connector	+19.0V	0	10.50	_	±5%	< ± 2%	± 1%	± 5%
L6R200DM-240	Medical	Corded Connector	+24.0V	0	8.30	_	±5%	< ± 2%	± 1%	± 5%
L6R200DM-480	Medical	Corded Connector	+48.0V	0	4.17	_	±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.
- $\bullet \quad \text{The line regulation} \text{ is defined by changing} \pm 10 \text{ percent of input voltage from the nominal line at rated load.}$
- 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.





L6R200DM Series

Innovative, inexpensive and medical reliability. This economical DOE Level VI compliant medical power supply/charger is available in a variety of voltage levels, 12.0 to 48.0Vdc (per the model number table) to match your needs. Rated up to 200W when powering either stationary or charging portable devices for medical office/hospital applications.

Specifications

Input

Input Voltage Input Frequency No Load Input Power Input Current Inrush Current Leakage Current Input Connection

- 90 Vac ~ 264 Vac, 100~240Vac Nominal
- 47 Hz to 63 Hz
- < 0.15W
- 2.5A @ 120Vac / 0.9A @ 230Vac
- 60A Max. / 230Vac
- < 100uA
- IEC 60320 C6 / C14 or C8 / C18, dependent upon output voltage and resulting input current

Output

Output Voltage Range Output Current Range Minimum Load Line Regulation

Load Regulation

Overvoltage Protection

Short Circuit Protection

Overload Protection

Ripple & Noise

Hold-up Time

- 12.0, 18.0, 19.0, 24.0 and 48.0Vdc
- 16.00 to 4.17A
- No min. load required.
- ± 1% at rated load across input voltage range
- ± 5% (typical)
- 2% Vp-p Max. @ full load
- 10mS @ Full Load
- Auto recovery
- Auto recovery
- Auto recovery

General

Dielectric Withstand Efficiency **MTBF**

- 4,000Vac Primary to Secondary
- DoE Level VI, ErP Stage 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

- ANSI/AAMI ES60601-1:2012, edition 3.1 IEC/EN ES60601-1:2012, edition 3.1
- Radiated & Conducted Emissions: EN55011 CISPR 11. Class B Harmonic Current: EN61000-3-2, 3 EMC: IEC60601-1-2:2014, edition 4.0

Warranty

Warranty Period

2 years

Dimensions and Notes

Dimensions in mm Tolerance

Output Cord length

Size

± 0.2mm

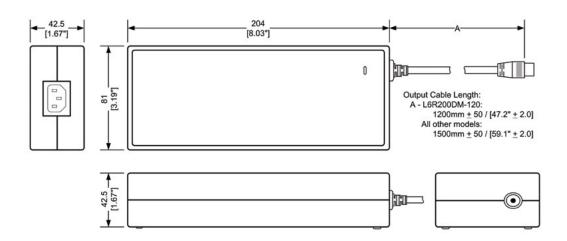
L 204 x W 81 x H 42.5 mm L 8.03" x W 3.19" x H 1.67"

Weiaht

Connectors

- Approx. 880g [1.94 lbs.] (ref.)
- AC input: IEC 60320 C6 / C14 Connector DC output: Standard 4-pin DIN connector or per customer specification.
- L6R200DM-120: 1200 ±50 mm [47.2 ±2.0"] 1500 ±50 mm [59.1 ±2.0"] All Others:

Mechanical Drawing



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