GREEN POWER

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 Accuracy	Ripple Noise	Line Reg.	Load Reg.
				Min	Rated	Peak				
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.
- 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.

TRI-MAG, LLC
A Curtis Industries Company

CURTIS INDUSTRIES
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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	• 90 Vac ~ 264 Vac, 100~240Vac Nominal
Input Frequency	• 47 Hz to 63 Hz
No Load Input Power	• < 0.15W
Input Current	• 2.5A @ 120Vac / 0.9A @ 230Vac
Inrush Current	• 60A Max. / 230Vac
Leakage Current	• < 100µA
Input Connection	• IEC 60320 C6 / C14 or C8 / C18, dependent upon output voltage and resulting input current

Output

Output Voltage Range	• 12.0, 18.0, 19.0, 24.0 and 48.0Vdc
Output Current Range	• 16.00 to 4.17A
Minimum Load	• No min. load required.
Line Regulation	• ± 1% at rated load across input voltage range
Load Regulation	• ± 5% (typical)
Ripple & Noise	• 2% Vp-p Max. @ full load
Hold-up Time	• 10mS @ Full Load
Overvoltage Protection	• Auto recovery
Overload Protection	• Auto recovery
Short Circuit Protection	• Auto recovery

General

Dielectric Withstand	• 4,000Vac Primary to Secondary
Efficiency	• DoE Level VI, ErP Stage 2 compliant
MTBF	• 300,000 hrs. @ 25ºC per Telcordia SR-332

Environmental

Operating Temperature	• 0°C to 40°C
Operating Humidity	• 20 to 80% RH, Non-Condensing
Storage Temperature	• -20°C to +80°C
Storage Humidity	• 10 to 90%, Non-Condensing

EMC & Safety

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

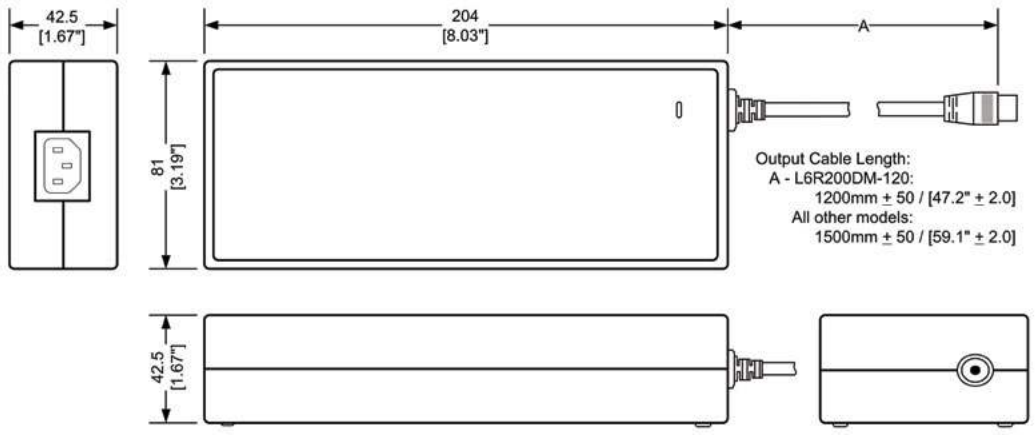
Warranty

Warranty Period	• 2 years

Dimensions and Notes

Dimensions in mm Tolerance	• ± 0.2mm
Size	• L 204 x W 81 x H 42.5 mm L 8.03" x W 3.19" x H 1.67"
Weight	• Approx. 880g [1.94 lbs.] (ref.)
Connectors	• AC input: IEC 60320 C6 / C14 Connector DC output: Standard 4-pin DIN connector or per customer specification.
Output Cord length	• L6R200DM-120: 1200 ±50 mm [47.2 ±2.0"] All Others: 1500 ±50 mm [59.1 ±2.0"]

Mechanical Drawing



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