

L6R36DM Series

36W 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, C8 / C18 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.
L6R36DM-050	Medical	Corded Connector	+5.0V	0	5.00	_	±5%	< ± 2%	± 1%	± 5%
L6R36DM-075	Medical	Corded Connector	+7.5V	0	4.00	-	±5%	< ± 2%	± 1%	± 5%
L6R36DM-090	Medical	Corded Connector	+9.0V	0	4.00	-	±5%	< ± 2%	± 1%	± 5%
L6R36DM-120	Medical	Corded Connector	+12.0V	0	3.00	-	±5%	< ± 2%	± 1%	± 5%
L6R36DM-150	Medical	Corded Connector	+15.0V	0	2.40	-	±5%	< ± 2%	± 1%	± 5%
L6R36DM-180	Medical	Corded Connector	+18.0V	0	2.00	_	±5%	< ± 2%	± 1%	± 5%
L6R36DM-240	Medical	Corded Connector	+24.0V	0	1.50	_	±5%	< ± 2%	± 1%	± 5%

^{1.} Add "C6", C8, "C14" or ""C18" 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.





L6R36DM Series

Innovative, inexpensive and medical reliability. This economical DOE Level VI compliant medical power supply/charger is available in a variety of voltage levels, 5.0 to 24.0Vdc (per the model number table)

to match your needs. Rated up to 36W when powering either stationary or charging portable devices for home healthcare and 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
- 1.0A @ 120Vac / 0.45A @ 230Vac
- 60A Max. / 230Vac
- < 100uA
- IEC 60320 C6, C8, C14 or C18

Output

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

- Load Regulation Ripple & Noise Hold-up Time Overvoltage Protection
- Overload Protection Short Circuit Protection

- 5.0 to 24.0Vdc
- 5.00A to 1.50A
- 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

EMC: IEC60601-1-2:2014, edition 4.0

Radiated & Conducted Emissions: EN55011 CISPR 11, Class B Harmonic Current: EN61000-3-2, 3

Warranty

Warranty Period

2 years

Dimensions and Notes

Dimensions in mm Tolerance

± 0.2mm

Size

L 100 x W 50 x H 33 mm L 3.94" x W 1.97" x H 1.30"

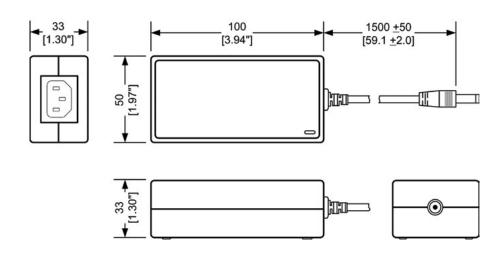
Weight Connectors Approx. 210g [0.46 lb.] (ref.)

AC input: IEC 60320 C6, C8, C14 or C18 DC output: standard 5.5mm x 2.1mm corded dc output connector or per customer specification.

Output Cord length

1500 ±50 mm [59.1 ±2.0"]

Mechanical Drawing



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