



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.

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. @ 25°C 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

