

Quick Check Medical Power Supplies

Six requirements that your medical power supply should meet

The power pack represents the heart of your medical device. It supplies the equipment with the energy it needs. As such, the same bottom line applies here as in the human body: If the heart fails, everything fails. Shortcomings here can have disastrous consequences in medical technology – just imagine what might happen if ventilation equipment were to fail, for example. In order to avoid this worst-case scenario, medical device manufacturers must pay attention to a few important points when choosing their power supply.

Here is a short checklist for your power supply:

- ✓ For use in medical environments, power supplies must comply with the EN60601-1 safety standard relevant for medical devices.
- ✓ The stringent EN60601-1-2:2015 requirements concerning the electromagnetic compatibility for medical devices and their environment must also be met.
- ✓ The requirements set by these standards are significantly more rigorous than for power packs made for use in IT or multimedia applications.
- ✓ Make sure to discuss the decisive technical features of the power supply in detail with your power supply manufacturer.

Examples include:

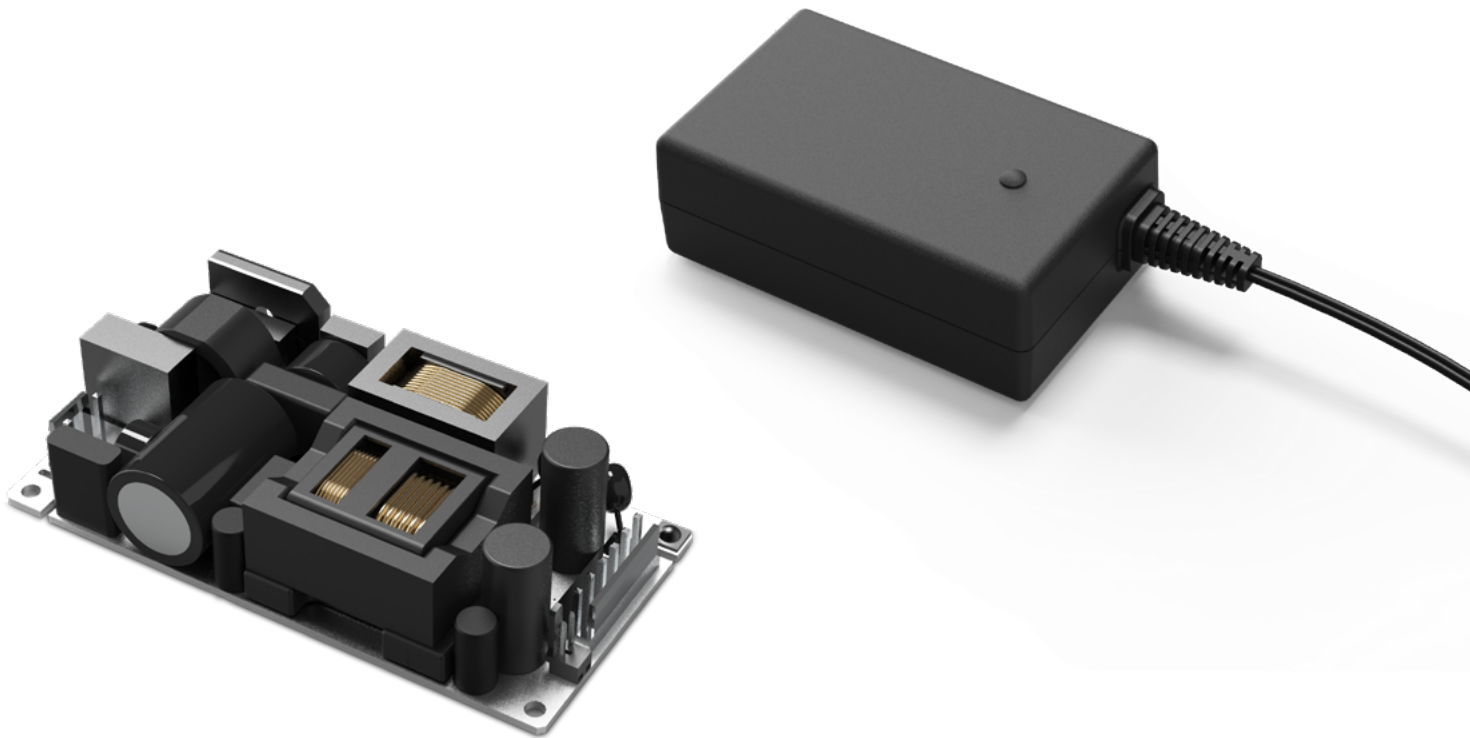
- Means of Operator Protection (MOOP) and Means of Patient Protection (MOPP)
- minimal leakage currents
- increased dielectric strength

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- ✓ The design and production of any power supply unit should be inspected by an accredited test center
- ✓ Power supply manufacturers should have a comprehensive risk and quality management system in place. Basic certification in accordance with the extensive ISO 9001 standard and certification in accordance with EN ISO 13485 (quality management system for medical technology) are recommended



Questions?

Discuss your needs and concerns directly with our experts. Your qualified contact for medical technology at FRIWO:

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