

Q: What makes a power supply part medically approved?

A: A medically approved supply must undergo tests that place a premium on safety to patients and medical professionals. The reduction of shock hazards is a primary concern for medical supplies. Lower leakage current limits and increased isolation voltage requirements are fundamental to the medically-approved supply. There are also practical concerns such as the need for power factor to lower power consumption; this in turn can facilitate the operation of many devices from the same power line. There are also relevant standards which limit emissions from the supply while testing its own susceptibility to emissions and other environmental factors.

Q: Are medical parts more reliable?

A: All our products are designed to a high level of conformance, and they are all very reliable. It may not be fair to say that one is more reliable than another, but commercial customers may prefer a medical supply based on the supply's adherence to a specific regulatory standard(s). Manufacturing and design processes and procedures are the same regardless of the supplies agency approvals.

Q: What is the largest medical power supply you offer?

A: Currently 450 Watts (PMMK450). The Astrodyne product platform is always expanding and will accommodate higher power medical devices in the future.

Q: How do I know I meet the necessary safety requirements?

A: The necessary requirements are IEC 60601-1 for safety and IEC60601-2 for emissions-related standards. Each Astrodyne data sheet will list the approvals and testing agencies that provided them. Astrodyne also keeps certificates and reports on file for all its products. For questions about safety consult an Astrodyne engineer.

Q: Are your products ROHS compliant?

A: Yes, all Astrodyne products are in full compliance with the directives mandated in the ROHS 2002/95/EC with an effective date of July 1, 2006.

Please see our ROHS statement at: http://www.astrodyne.com/Tech_RoHSStatement.asp

Medical standards are continuously evolving. For the latest standards or questions, please contact our technical support team at 800-823-8082 or (508)964-6300.