

Powering Patient table with the LCM600 when reliability needed

INDUSTRY**Medical Imaging****SOLUTION****LCM600****EQUIPMENT****Patient Table****CHALLENGE**

This medical imaging customer required a low noise AC-DC solution that provides 600 Watt of power over a wide range AC input, enabling a 24 V output for their next generation high-end patient table to be used in combination with their imaging device. The power requirements for such a patient table can depend on the market segment the system is planned for, additional functionality requirements as well as the weight of potential additional equipment.

This customer was looking for a cost effective standard enclosed power supply with terminal block input (instead of IEC input). The chosen power supply needed to meet IEC 60601-1 Medical Safety and -1-2 Medical EMC standards, as well as very low noise output. A highly reliable, industry recognized, future-proof concept AC-DC power supply was desired.

SOLUTION

The solution proposed by the AE team was Advanced Energy's Artesyn LCM600 Series. The LCM600Q-N-T is an enclosed standard power supply with 24 V output and stable over a huge input range. This version -N-T is noise reduced, which was a requirement for the customer. It also offers a terminal block input. The LCM600 is a future-proofed reliable product that has gained a high level of popularity for a wide array of applications, making it a safe investment for customers.



CONCLUSION / RESULT

The customer was able to use a standard product with no modifications needed at very good price-performance ratio. The -N-T version of the LCM600 series has all customer requirements like reduced noise and terminal block input and is cost effective. The high reliability and history of performance of the LCM600 combined with exceptional application support and high sales and engineering product knowledge ensured customer satisfaction.



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