



Tampa General Hospital Increases Patient Safety & Ensures Code Compliance with Tripp Lite



SUMMARY

Customer

Tampa General Hospital, an 877-bed facility serving Tampa, Florida and the surrounding area. Named in 2008 as one of the nation's top 50 hospitals in seven medical specialties by U.S. News & World Report.

Goal

Increase patient safety and ensure Underwriters Laboratories Inc. (UL), National Electrical Code (NEC) and Agency for Health Care Administration (AHCA) compliance by reducing leakage current of wall-mounted computers and monitors located within patient care areas.

Solution

200 Tripp Lite 250-Watt Medical-Grade Isolation Transformers (Model: IS250HG), each mounted on a wall-mount bracket (Model: UPSWM).

Results

Reduced cumulative leakage current of connected computer systems below 100 microamps, increasing patient safety and ensuring UL 60601-1, NEC and AHCA compliance.

Patient safety is the first priority of any hospital. UL 60601-1 is a patient-safety standard that is designed to eliminate the potential shock hazard to patients within patient care areas (defined as a 6-ft. perimeter around every patient). All electrical devices in patient care areas, including computers and monitors, need to comply with UL 60601-1 (according to the National Electrical Code). Tampa General Hospital increased patient safety and ensured code compliance by connecting the computer systems they installed in patient care areas to Tripp Lite 250-Watt Medical-Grade Isolation Transformers.

Tripp Lite 250-Watt Medical-Grade Isolation Transformers

- UL 60601-1 and UL 1012 compliant
- Provide UL compliance for connected equipment
- Reduce cumulative shock potential of connected equipment below 100 microamps
- Include hospital-grade plug and receptacles

Complete specifications available at www.tripplite.com

Ken Lange, Senior Electrical Engineer for Tampa General Hospital, was managing a project to put computer stations (a computer and a monitor) next to 200 patient beds. However, the combined cumulative leakage of each computer station was too high. Lange needed to ensure that the stations were connected to highly reliable power sources that were UL 60601-1 compliant (reducing leakage current below 100 microamps). Ultimately, the stations' compliance would be verified by the authority that monitors compliance in Tampa General Hospital's area — the Florida Agency for Health Care Administration (AHCA).

Trusted Reliability

Lange naturally turned to Tripp Lite, a company that he has relied on for years to supply him with superior product quality and exceptional customer service. Over the years, Lange had developed such a trust in Tripp Lite products that he installed Tripp Lite Medical-Grade UPS Systems and Power Strips throughout Tampa General Hospital's facilities.

Patient Safety, Code Compliance . . . and More

By choosing Tripp Lite's 250-Watt Medical-Grade Isolation Transformers to power his computer stations, Lange not only reduced leakage current and ensured UL 60601-1, NEC and AHCA compliance, he satisfied a host of other needs as well. The Tripp Lite 250-Watt Medical-Grade Isolation Transformers protected the computer equipment from potential surge damage and line noise distortion. Additionally, their compact, durable all-metal cabinet (and the use of a wall-mount bracket) allowed Lange to reduce the profile of his equipment and conserve valuable floor space within patient rooms.



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