

Power Supplies meet latest Medical Approvals



Powerstax, a leading value-added power solutions manufacturer, is pleased to announce that its MEDISTAX range of power supplies for medical applications has now been approved to the latest versions of safety approvals IEC 60601-1:2005 3rd Edition. This is in addition to the existing approval to the 2nd Edition and ensures full medical approval is maintained during the transition period from 2nd to 3rd editions.

The MEDISTAX family of power supplies available in two power ranges, 200-750W and 400-1450W providing a modular and configurable power solution in an extremely compact 1U high (40mm) package with up to 12 isolated outputs in either a 4 or 6 slot chassis. Typical applications for the Powerstax MEDISTAX medically approved power supply series include medical imaging equipment, dialysis systems, clinical diagnostic systems and medical lasers.

Employing an innovative plug-and-play architecture the MEDISTAX units combine feature-laden front-end Power Units combined with slide-in output converter modules that allows the configuration of a custom power solution in less than 5 minutes. All possible configurations carry full safety agency approvals and are CE marked. Ultra high efficiencies of over 90% significantly reduce system thermal load and an industry leading 15W/in³ power density provides a compact and versatile power solution with less than 300µA leakage current and 4000VAC isolation.

Tim Worley, CEO of Powerstax comments; "These improvements to our already successful MEDISTAX range of medical power supplies offer our customers a future-proof power solution. The plug and play power module architecture allows fast custom configurations, facilitates rapid prototyping and simplifies logistics offering many benefits to both designers and buyers."

Power Supplies meet latest Medical Approvals

Published on Electronic Component News (<http://www.ecnmag.com>)

Other standard features include standard output voltages over the range 1.5V to 58V, all outputs are fully floating allowing outputs to be configured in series or parallel to provide custom outputs, 5V bias standby voltage, ultra-high efficiency up to 90% reducing system heat dissipation, visual LED indicators and individual output control signals. A universal 85-264VAC input range is standard as is over voltage protection and the full load operating temperature range is from -20 to +70°C.

The updated medical approvals for the Powerstax MEDISTAX powers supply includes ANSI/AAMI ES60601-1:2005, Medical electrical equipment- Part 1, General requirements for basic safety and essential performance, CAN/CSA-C22.2 No. 60601-1:08 Medical electrical equipment, Part 1: General requirements for basic safety and essential performance, IEC60601-1:2005 Medical electrical equipment- Part 1: General requirements for basic safety and essential performance Powerstax can supply an extensive range of standard, value-added and custom AC & DC power solutions for a broad range of fixed and mobile applications including hot swap front end AC-DC bulk power, DC-DC converter bricks and modules and programmable, modular rack mounted Power Supplies, for use in Industrial, Defence, Transportation, Avionics, Telecoms, Datacoms, IT, Test, Measurement and Control, Medical equipment and all commercial markets.

For more information contact sales@powerstaxplc.com [1] or visit www.powerstaxplc.com [2]

Source URL (retrieved on 08/30/2014 - 7:26pm):

<http://www.ecnmag.com/products/2011/11/power-supplies-meet-latest-medical-approvals>

Links:

[1] <mailto:sales@powerstaxplc.com>

[2] <http://www.powerstaxplc.com>