

## **Campbell Collins Introduces Medical Grade AC/DC Power Modules for Safety Critical Applications**

Stevenage, UK – 16<sup>th</sup> February 2010 - Campbell Collins Ltd, a specialist supplier of power supplies, capacitors and power semiconductors, is pleased to introduce a range of AC/DC Power Modules from MTM Power of Germany which are specifically designed for safety critical Medical applications.



Available with output power levels of 15W, 24W, 48W, 60W, 75W and 100W, the PMmed and PCMmed range of modules enable world-wide operation with an Input Voltage range of 90-264Vac, 50/60Hz. Output voltages of 3.3V, 5V, 12V, 15V, 24V, 36V and 48V are available, making the units suitable for a wide variety of applications including MRI, X-ray, CT and PET scanners, blood analyzers, patient monitors, and robotic surgical devices. With leakage currents of less than 100uA and Isolation Levels of 4kVac, the units exceed the requirements of IEC/EN/UL60601-1 and IEC/EN/UL60950-1.

Efficiency levels for the units are as high as 90%, enabling extremely high power densities and small package sizes. The construction techniques used are designed specifically with ruggedness in mind, being vacuum encapsulated in a UL94-V0 rated enclosure which also allows for excellent thermal transfer, particularly when using the optional chassis mount case (PCMmed). Operating temperature range is from -25degC to +70degC, and the devices are designed for free convection cooling.

The devices include overload protection which allow for continuous short circuits to be handled without damage, and also provide hold-up times of up to 50ms. EMI and RFI standards such as EN60601-2, EN55011 (Class B), EN61000-3-2 and EN61000-3-x are also met by the modules without any external circuitry or compromise to leakage currents.

Further details on these modules are available from Campbell Collins, and sample quantities can be ordered on short lead-times for new development opportunities.

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**Note to Editors:** A high resolution image for this press release is available on request.

### **About Campbell Collins Ltd**

Campbell Collins Ltd is a UK based Franchised Distributor of Power Sources and Capacitors for the Military, Aerospace, Medical, Transportation, Industrial and Telecom/Datacom marketplaces. In business for over 30 years, we have built a name for ourselves as a reliable, trustworthy and valuable partner to our customers and franchises alike, offering the highest levels of pre and post design support services.

Focussing on Power related products from key players in the Power Supply, Semiconductor and Capacitor product areas, we are a franchised, design in distributor for Gaia Converter, MS Kennedy, SSDI, Lansdale Semiconductor, Ericsson Power Modules, MTM



# PRESS RELEASE

Power, Mitra Energy, Arch Electronics, Power Mate, FT Cap, LeClanche Capacitors, Icel and the full line of Kemet companies including BHC, Arcotronics and Evox Rifa.

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