Power Supply Product

**Low acoustic noise modular 700 to 1200W power supplies have BF ready isolation**

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TDK Corporation announces the introduction of 700 to 1200 Watt models to the QM series of modular AC-DC power supplies, featuring low acoustic noise and BF ready isolation. With both medical and industrial safety certifications, the series is ideal for a wide range of applications, including BF rated medical equipment, test and measurement, broadcast, communications and renewable energy applications.

Packaged in a 127mm wide, 63.3mm high, 270mm long enclosure, these new QM models can deliver 1200W at 180-264Vac and 700W with a wide range input of 90-264Vac. Up to 12 outputs can be configured using single and dual output modules with voltages from 2.8V to 61.6V. An optional standby/signal module can be selected with a choice of one or two standby voltages (5V, up to 2A and 12V at 1A), unit inhibit or unit enable, an AC Good signal and a PMBus™ interface.

The units will operate in ambient temperatures of -20 to +70°C, derating the output power and output current by 2.5% per °C above 50°C. The QM operating efficiency is up to 91% and as internal power loss is reduced, a low speed low audible noise fan can be utilised. This provides an enhanced patient/user experience and increased reliability as less dirt and contaminants are drawn into the power supply. The QM series is covered by a seven-year warranty.

The units are certified to IEC/EN/UL/CSA 60601-1, ANSI/AAMI ES 60601-1, IEC/EN/UL/CSA 60950-1, is designed to meet IEC/EN 61010-1 and has the CE marking for the Low Voltage and RoHS2 Directives. With an input to output isolation of 4,000Vac (2 x MOPPs), 1,500Vac input to ground (1 x MOPP) and 1,500Vac (1 x MOPP) output to ground, the series can be used in BF rated medical equipment. The QM series has a maximum earth leakage current of 300µA, while still complying with the EN61000-6-3:2007 and EN60601-1-2:2015 (curve B conducted and radiated) emission standards. The units also meet the EN60601-1-2 and EN61000-6-2 immunity standards.

Product selection is optimised and simplified through the use of an on-line configurator, with a choice of output, signals, leakage currents and standby voltages. Once the desired selection has been made, the configurator will automatically produce a short 7-digit code for easy order placement.

For more information about the full range of TDK-Lambda QM series of AC-DC power supplies, please call TDK-Lambda directly on +44 (0)1271 856600 or visit the TDK-Lambda website at: [www.uk.tdk-lambda.com/qm](http://www.uk.tdk-lambda.com/qm)

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About TDK Corporation

TDK Corporation is a leading electronics company based in Tokyo, Japan. It was established in 1935 to commercialize ferrite, a key material in electronic and magnetic products. TDK's portfolio includes passive components, such as ceramic, aluminium electrolytic and film capacitors, ferrites and inductors, high-frequency products, and piezo and protection components, as well as sensors and sensor systems and power supplies. These products are marketed under the product brands TDK, EPCOS, Micronas, Tronics and TDK-Lambda. TDK's further main product groups include magnetic application products, energy devices, and flash memory application devices. TDK focuses on demanding markets in the areas of information and communication technology and automotive, industrial and consumer electronics. The company has a network of design and manufacturing locations and sales offices in Asia, Europe, and in North and South America. In fiscal 2017, TDK posted total sales of USD 10.5 billion and employed about 100,000 people worldwide.

About TDK-Lambda Corporation

TDK-Lambda Corporation, a group company of TDK Corporation, is a leading global power supply company providing highly reliable power supplies for industrial equipment worldwide. TDK-Lambda Corporation meets the various needs of customers with our entire range of activities, from research and development through to manufacturing, sales, and service with bases in five key areas, covering Japan, Europe, America, China, and Asia.

For more details, please pay a visit to <http://www.tdk-lambda.com/>

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