

December 2008

Ref.: MPS292Av2

Murata Power Solutions

www.murata-ps.com

News Release

AC/DC Front End power supplies provide high density, high efficiency bulk power to servers, workstations and storage systems



- *Chassis mount packaging*
- *Industry standard low-profile 1U form factor*
- *Choice of 12V and 48V main output power supplies with standby*
- *9.2W/ cu. inch power density minimises space required in applications*
- *90.6% efficiency saves energy and reduces thermal management requirements*

The new C1U-W-1200-12-Tx and C1U-W-12-48-Tx AC/DC front end power supplies from Murata Power Solutions are designed to provide 1200W (110/220VAC) of high efficiency, high density power. Packaged in a 1U industry standard low-profile height for chassis mounting, they are suitable for use in a wide range of distributed power and redundant (N+1) applications for the delivery of bulk power to servers, workstations and storage systems in sectors such as industrial, automation, test and measurement and control.

The 1U, power factor corrected (PFC) units feature a universal AC input. The C1U-W-1200-12-Tx has a main output of 12V and standby outputs of either 5V or 3.3V; the C1U-W-12-48-Tx has a main output of 48V and a choice of 5V, 3.3V or 12V standby outputs.

Both power supplies feature active current sharing on their main output and have a high power density of 9.2W/ cu. inch that helps minimise space required in customer applications. Efficiency levels of 90.6% promote lower cost of operation and reduce the need for thermal management in addition to the cooling fans built into the power supplies.

Safety features of the C1U-W-1200-12-Tx and C1U-W-12-48-Tx include over-voltage, over-current and over-temperature protection with auto-recovery. The RoHS compliant units have overall dimensions of 42.5mm (1.67in.) x 139.7mm (5.5in.) x 361.2mm (14.2in.). Operating temperature range is 0°C to +50°C and demonstrated mean time before failure (MTBF) is 200K hours.

The new front end power supplies meet the requirements of UL 94V-0 and have safety approvals including EN60950-1:2001 and CSA60950-1-03.

Ends

About Murata Power Solutions

Murata Power Solutions (www.murata-ps.com) is headquartered in Mansfield, Massachusetts, with over 1,300 employees, and locations in the USA, Canada, England, France, Germany, Singapore, Japan and China. Murata Power Solutions designs, manufactures and distributes DC/DC Converters, AC/DC Power Supplies, Magnetics, Data Acquisition devices and Panel Meters, and offers these products in custom, standard and modified-standard variations. These products, which are built to exacting requirements in ISO9000:2000-approved facilities, are typically used worldwide within telecommunications, computing, industrial and other high-tech applications.

About Murata

Based in Kyoto Japan, Murata Manufacturing Company Ltd is one of the world's leading providers of ceramic based components, sensors, and AC/DC and DC/DC power solutions. Founded in 1950, the company has over 34,000 employees worldwide, and over \$6.3 billion US in consolidated annual sales (as of March 31, 2008). Everywhere in the world, wherever you can reach, Murata's electronic components are always at work.

Contact:

John Sutherby, Marketing Communications Department
Telephone: +1-508-339-3000 x 117

Issued by/more information from:

Simon Krelle, Pinnacle Marketing Communications Ltd
Tel: +44 (0) 7973 821036 Fax: +44 (0) 20 868 4373.
E-mail: simonk@pinnaclemarcom.com
Web: www.pinnacle-marketing.com

December 2008

Ref. MPS292Av2