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Murata Power Solutions
www.murata-ps.com

News Release

1U switching power supplies combine high power density and industry standard form factor to support wide range of IT equipment and industrial applications



- *Choice of 200W and 350W models*
- *Efficiency levels of over 80%*
- *Power density of 8W/in.³ (200W models) & 9.5W/in³ (350W models)*
- *Active load current sharing*
- *OR-ing diode for N+1 parallel operation*
- *5V standby output*

The CF series from Murata Power Solutions is a new range of high density AC/DC switching power supplies. The single main output 200W and 350W open frame units offer industry standard form factor and high density. They are ideal for use in distributed power architecture applications, redundant (N+1) operations, information technology equipment and industrial applications.

The series comprises a 200W model with a 12V (16.6A) main output, and a choice of three 350W models giving designers the choice of a 12V (29A), 24V (14.5A) or a 48V (7.2A) main output. All power supplies in the CF range offer a universal input (85 to 265VAC) with active power factor correction (PFC). They also feature an auxiliary 5V standby output to allow for system housekeeping and monitoring.

The 200W CF200-A12C has a high power density of 8W/in.³ that helps minimize the space required in customer applications. Synchronous rectification allows an efficiency level of over 80% to be achieved. Built to

meet 1U height restrictions, the ruggedized open frame, U-channel package CF200-A12C has compact overall dimensions of 127mm x 84mm x 39.6mm.

350W models (CF350-A12C, A24C and A48C) achieve a power density of 9.5W/in³ and similar levels of efficiency to 200W variants. Overall dimensions of the 1U, open frame, U-channel package are 173mm x 98mm x 36.6mm.

CF series switching power supplies utilise proven topology and components to achieve high levels of reliability. They also feature active load current sharing and include an OR-ing diode for N+1 parallel operation. All models have a mean time before failure (MTBF) of 300,000 hours, are RoHS compliant and meet the Safety Agency requirements of UL/CSA 60950-1 and the European, EN-60950-1 standard.

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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.

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