

July 2009 Ref.: MPS365A

Murata Power Solutions
www.murata-ps.com

News Release

**Murata Power Solutions provides front-end power for zero emission
race team**



- *DIU Powershelf allows team to demonstrate and test outside the laboratory*
- *High efficiency of DIU AC/DC front-end power supply matches Imperial Green Race Team's philosophy of seeking environmentally responsible technologies*

Murata Power Solutions' D1U-W AC/DC front-end power supply has been chosen by the Imperial Racing Green Team for use in the Hydrogen fuel cell systems for its next-generation Zero emission vehicles. The team is a project of London's Imperial College that draws on expertise from across the engineering faculty to develop and build vehicles to compete in races across the globe. Murata Power Solutions has supplied three of its 48V, 2000W power supplies. The Imperial Racing Green Team is currently competing in the Worlds' first Hydrogen fuel cell race series called Formula Zero. Other competitions include Formula Student and The Zero Race.

Prior to the supply of the Murata Power Solutions D1U-W-2000-48-HB2C Powershelf units, the next-generation fuel cell systems were only able to be tested in one of the University's laboratories. Now, testing can take place in different locations around the Campus, and more importantly, the team can demonstrate the system at public events. This allows the profile of the technology to be raised and for additional publicity to be achieved for the team's sponsors.

The D1U-W-2000-48-HB2C Powershelf was chosen for its integrated, compact, high efficiency, high power density design and because its rack mounted configuration could be easily accommodated within the test rig that the team also uses as a display system.

Commenting on the selection of Murata's D1U-W-2000-48-HB2C, Imperial Racing Green Team's Mark Cordner said: "Murata Power Solutions' D1U power supply allows us to break free from the confines of our fuel cell laboratory and demonstrate our novel technologies across Europe." He continued: "The unit's class-leading efficiency fits well with Imperial Racing Green Team's philosophy of seeking responsible technologies for today's environmental challenges."

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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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