



## UEI15, UEI30 & UEI50/60 Series

*4:1 Wide input DC/DC converter range extended to offer designers broadest choice of high power density, high efficiency modules in 15, 30, 60Watts*

- 15W, 30W and 50/60W options
- Choice of 9-36VDC and 18-75VDC wide range inputs
- High power density from industry standard 1in. x 1in., 1in. x 2in. and 1.6in. x 2in. packages
- Fixed output voltages from 3.3VDC to 15VDC

Murata Power Solutions has extended its [UEI15](#), [UEI30](#) and [UEI \(50/60\)](#) Series of DC/DC converters to give designers even greater choice in wide input range board-mounted DC regulated power. The converters offer high efficiency levels coupled with excellent power density in industry-standard open-frame packages and pinouts.

The 15W UEI15 Series is now complete with the addition of 15V output versions. These are available with both 9-36Vin and 18-75Vin inputs and either negative or positive polarity options. The new output voltage versions complement the existing offering of 3.3V, 5.0V and 12V outputs. The UEI15 Series modules deliver their power from approximately one square inch (0.96in. x 1.10 in./ 24.4mm x 27.9mm,) of board area.

Murata Power Solutions has also extended its range of UEI30 Series 30W modules adding 5V and 3.3V output models. They offer either 9-36V or 18-75V input ranges and are available with either negative or positive polarity. The UEI30 delivers 30W of power from a standard 1.0in. x 2in. (25.4mm x 50.8mm) package.

Finally, the UEI Series of 50/60W DC/DC converters is also complete, offering customers fixed output voltages of 3.3V, 5V, 12V and 15V. This Series has the same 9-36V and 18-75V input voltage ranges as well as either negative or positive polarity. The UEI Series delivers 50-60W of power from a standard 1.6in. x 2in. (40.6mm x 50.8mm) package.

UEI15, UEI30 and UEI Series DC/DC converters achieve efficiency levels of up to 91% without cooling fans and include full magnetic and optical isolation up to 2250VDC (basic insulation). Operating temperature range is -40°C to +85°C (with derating). Specifications include an extensive range of self-protection and shutdown features including: input under-voltage lockout, over-temperature protection, over-current 'hiccup' and auto re-start.

All UEI modules are fully RoHS compliant and meet the safety requirements of key regulatory standards including, UL60950-1, CSA-C22.2 No.234 and EN60950-1 approvals.

### About Murata Power Solutions

Murata Power Solutions ([www.murata-ps.com](http://www.murata-ps.com)) is headquartered in Mansfield, Massachusetts, with over 1,300 employees, and locations in the USA, Canada, England, France, Germany, 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.