

## Press Release

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### **Westcode Introduces New 6.5kV Phase Control Thyristor For High Power Applications Including Renewable Energy Generators**

Biel, Switzerland. March 26, 2009. — IXYS Corporation (NASDAQ:IXYS) announced that its wholly owned UK subsidiary, Westcode Semiconductors Limited, has launched a new 6.5kV phase control thyristor for “mega-watts” power applications. The new device is optimised for low forward conduction loss, has a nominal RMS current rating of 1695A and a surge current rating of 10.5kA. The device is encapsulated in a 47mm (1.85”) pole face hermetic pressure contact package using Westcode’s advanced alloy free process.

The new phase control device is optimised for very low on-state voltage, when compared to similar devices in the same voltage class, with a forward volt drop of 2.0 Volts at 1000A. This new thyristor is part of IXYS’ global strategy of introducing power semiconductors that improve the energy efficiency of electrical power systems. The low conduction loss makes the device ideal for line frequency applications such as front-end rectification as well as all controlled rectifier applications up to a few hundred hertz. Other applications for which the device is ideally suited include: DC drives, load commutated inverters and excitation equipment, power and motor control for electrical trains, high power generators, UPS’s and renewable energy applications, including solar power generators and wind turbine generators.

The optimisation of the conduction losses achieves lowest system losses and minimises the cooling requirements for applications up to 2.3kV line voltage. At higher system voltages, where devices are required to operate in series, Westcode recommends the use of its comprehensive range of medium voltage thyristors, such as the K0769. The new phase control device is also ideal for use in crowbars, particularly for traction, in applications up to 1500V DC.

The devices are available in two voltage classes and two package options: N0845NC600 & N0845NC650, which are rated at 6.0kV & 6.5kV, respectively, and housed in a 26mm (1”) thick package and N0845NG600 & N0845NG650, which are rated at 6.0kV & 6.5kV, respectively, and housed in a 35mm (1.38”) thick package.

For data sheets please go to the Westcode website at [westcode.com](http://westcode.com) or please contact us at (email: [sales@westcode.com](mailto:sales@westcode.com)) or telephone: +44 (0) 1249 444524 for quotation.

### **About Westcode**

Located in Chippenham, England, Westcode Semiconductors Ltd is a leading manufacturer of very high power thyristors, SCRs and rectifiers ranging up to 6500 Volts and 15,000 Amps. Westcode continues to supply high technology components for a wide range of applications such as welding, AC and DC drives, rectifier supplies, uninterruptible power supplies, motor soft starts, transportation, induction heating, power conditioning, high energy physics and many other industrial uses.

### **About IXYS Corporation**

Since its inception in 1983, IXYS Corporation has been developing technology-driven products to improve power conversion efficiency, generate solar and wind power and provide efficient motor control for industrial applications. IXYS, and its subsidiary companies, offer a diversified product base that addresses worldwide needs for power control, electrical efficiency, renewable energy, telecommunications, medical devices, flexible displays and RF power.

### **Safe Harbor Statement**

Any statements contained in this press release that are not statements of historical fact, including the performance, rating, availability, reliability and suitability of products for various applications, may be deemed to be forward-looking statements. There are a number of important factors that could cause the results of IXYS to differ materially from those indicated by these forward-looking statements, including, among others, risks detailed from time to time in the Company's SEC reports, including its Form 10-Q for the quarter ended December 31, 2008. The Company undertakes no obligation to publicly release the results of any revisions to these forward-looking statements.