



## **FOR IMMEDIATE RELEASE**

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### **IXYS Introduces GigaMOS™ Trench Power MOSFETs**

Biel, Switzerland and Milpitas, CA. March 19, 2009 - IXYS Corporation (NASDAQ:IXYS) introduces new 150V-300V GigaMOS™ Trench Power MOSFETs. These power MOSFETs provide high current capability (up to 280A), eliminating the need for multiple components when paralleling lower current MOSFET devices in high power applications. The resultant effect is a reduction in part count, as well as the number of required drive components, improving over-all system reliability and simplicity. These power MOSFETs are optimized for superior switching performance in a broad range of high power switching applications.

GigaMOS™ Trench Power MOSFETs incorporate IXYS' Advanced Trench Technology to provide extremely low  $R_{ds(on)}$  and gate charge (Qg), while maintaining superior switching performance and ruggedness. Power switching capability is further enhanced by IXYS' proven HiPerFET™ process yielding a fast intrinsic rectifier which provides low reverse recovery charge (Qrr) and excellent commutating  $dV/dt$  ratings. Additional features include a 175 degree Centigrade operating temperature and avalanche capabilities. These combined product attributes coupled with high current ratings, make for an ideal device for high current power switching applications.

IXYS' GigaMOS™ Trench Power MOSFETs are available in various standard packages and are offered in 150V, 175V, 200V, 250V and 300V grades with current ratings from 120A to 280A. These Power MOSFETs provide designers with high current solutions in a variety of applications such as DC to DC converters, battery chargers, switch/resonant mode power supplies, dc choppers, motor drives, uninterruptible power supplies and synchronous rectifiers. The high current capability of these devices make them suitable for electric and hybrid car and carts and other high power battery powered electrical equipment and tools.

Additional product information may be obtained by visiting IXYS website at [://www.ixys.com](http://www.ixys.com), or by contacting the company directly.

### **About IXYS Corporation**

IXYS Corporation makes and markets technology-driven products to improve power conversion efficiency, generate solar and wind power and provide efficient motor control for industrial applications. IXYS offers a diversified product base that addresses worldwide needs for power control, electrical efficiency, renewable energy, telecommunications, medical devices, electronic 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.