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### **IXYS Adds High Power Versions of its PolarHT™ PolarHVTM Power MOSFETs with Up to 140A of Current Handling Capability**

Wednesday June 28, 8:30 am ET

Santa Clara, CA, June 28, 2006 - IXYS Corporation (NASDAQ: [SYXI](#) - [News](#)) announced today the release of new high-current PolarHT and PolarHV (hereafter PolarHT/HV) Power MOSFETs that bring additional design flexibility to a broad range of higher power conversion applications based on IXYS PolarHT/HV technology. The PolarHT/HT platform incorporates IXYS proprietary cell-design technology that reduces on-resistance by 30%, enabling improved efficiency. These new Power MOSFETs exemplify IXYS Corporation's leadership position in the high current, high voltage power conversion market.

IXYS provides a wide selection of these new high-current PolarHT/HV Power MOSFETs. Voltages range from 300V to 800V and currents reach as high as 140A. These Power MOSFETs are offered in a number of different packages, including the standard TO-264 and a variety of IXYS ISOPLUSTM packages, which provides integral backside case isolation. These new devices are all HiPerFET™ processed, yielding Power MOSFETs with a fast intrinsic body diode for low  $Q_{rr}$  and enhanced  $dV/dt$  ruggedness. The IXFR140N30P (300 V, 70 A, 0.026 Ohms,  $R_{th,jc}$  of 0.42 K/W) and IXFL100N50P (500 V, 90 A, 0.052 Ohms and?  $R_{th,jc}$  of 0.20 K/W) are just some example parts that offer great electrical and thermal performance when utilizing the ISOPLUSTM packages.

IXYS PolarHT/HV Power MOSFETs bring many technical benefits and cost savings to a large number of applications. High-Current PolarHT MOSFETs will find use in a broad spectrum of battery driven, industrial, and automotive markets. The superior ruggedness and safe operating area of the PolarHT/HV Power MOSFETs will be of additional benefit in applications with challenging operating requirements. High-Current PolarHV MOSFET applications include telecom power systems, SMPS, small DC motor control, PFC circuits and other general purpose high power applications. In many applications, these high-current devices will eliminate the need for multiple components, such as when paralleling lower current MOSFETs for high power applications; this reduces the quantity of switching devices, as well as the number of balancing and drive components. The value of these high-current MOSFETs is further enhanced by the fact that they are

competitively priced, without the cost premium traditionally associated with large MOSFETs.

### **About IXYS**

IXYS is a global leader in Power Semiconductors, Gate Drive ICs and RF Power Devices. With over 20 years' experience, IXYS products are designed to meet the demands of the power market for best-in-class Performance, Quality and Reliability. IXYS product information can be obtained at [www.ixys.com](http://www.ixys.com).

IXYS develops and markets primarily high performance power and RF semiconductors and control ICs that are used in controlling and converting electrical power efficiently in power systems for telecommunication infrastructure, motor drives, medical systems and transportation. IXYS also serves emerging markets with digital and analog ICs that control flat panel displays, medical instruments and telecommunication products.

### **Safe Harbor Statement**

The foregoing press release contains forward-looking statements, including those related to revenue growth, improvement of gross margins, product diversification and investments in new products, corporate infrastructure, technology and manufacturing capacity. Actual results may vary materially from those contained in the forward-looking statements, due to changes in customer delivery schedules, the cancellation of orders, an unanticipated decline in our business, an unexpected increase or leveling of our costs or reduced cash flows, among other things. Further information or other factors that could affect IXYS is detailed and included in IXYS Form 10-K for the fiscal year ended March 31, 2006, as filed with the Securities and Exchange Commission. IXYS undertakes no obligation to publicly release the results of any revisions to these forward-looking statements.

Additional information may be obtained by visiting the IXYS website at <http://www.ixys.com>, or by contacting the company directly.

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