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IXYS launches New PolarP2™ Power MOSFET Family

Milpitas, CA. and Biel, Switzerland. July 15, 2010 – IXYS Corporation (NASDAQ:IXYS) announces today the release of its new PolarP2™ Power MOSFET family, IXYS' latest generation of fast and rugged Polar-Series Power MOSFETs. These new 500V devices are manufactured using IXYS' proprietary PolarP2™ Technology Platform, yielding a new class of devices that feature an optimized combination of low on-state resistance and gate charge, delivering a FOM (Figure of Merit: $R_{dson} \times Q_g$) as low as 12Ohm/nanocoulombs.

The superior performance and energy savings of these devices enable the development of more efficient power subsystems in applications such as high frequency inverters in power conversion and solar energy generation. These devices are also ideal for switch/resonant-mode power supplies and UPS's for telecommunication, base stations, servers and server farms and energy efficient consumer appliances. Other applications that will benefit from these new devices include power factor correction circuits, motor drives, lamp ballasts, laser drivers, DC-DC converters, robotics and servo control.

The newly introduced PolarP2™ Power MOSFET Family consist of two subclasses, presenting end-customers greater system design flexibility and the opportunity to select a device with the best combination of performance and cost. These subclasses include the cost-effective PolarP2™ Standard and the high-performance PolarP2 HiPerFET™.

PolarP2™ Standard versions are available with drain current ratings of 16, 25, 42, and 52 Amperes. They feature an excellent performance per price ratio presenting designers with a cost-effective solution to load switching designs. These new standard versions demonstrate up to a 20 percent reduction in on-state resistance (R_{dson}) while maintaining low gate charge (Q_g) values compared to previous generations. The avalanche capabilities of these devices add an additional safeguard against over-voltage transients.

PolarP2 HiPerFET™ versions are offered with drain current ratings of 24, 42, 52, 74, 94 and 120 Amperes. These high-performance versions retain all the features and advantages of the PolarP2™ Standard versions with the added benefit of a fast intrinsic rectifier for increased turn-off dV/dt immunity and low reverse recovery speeds (t_{rr} of no greater than 250ns). The featured fast intrinsic body diode properties of these HiPerFET™ versions play a pivotal role in overall device performance by providing faster transient response, increased power efficiency, improved ruggedness, and higher operating frequencies. The superior ruggedness and power switching capabilities of these HiPerFET™ devices make them ideal device selections particularly in popular zero voltage switching (ZVS) topologies where body diode reverse recovery characteristics are critical.

Part number examples from the cost-effective PolarP2™ Standard subclass include the IXTH450P2, IXTQ450P2, IXTQ460P2, and IXTQ470P2. Part number examples from the high-performance PolarP2 HiPerFET™ subclass include the IXFH42N50P2, IXFT52N50P2, IXFK74N50P2, IXFX94N50P2, and IXFB120N50P2.

Additional product information may be obtained by visiting IXYS website at <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, features 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-K for the fiscal year ended March 31, 2010. The Company undertakes no obligation to publicly release the results of any revisions to these forward-looking statements.