

PRESS RELEASE

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IXYS Releases 2nd Generation IXOLAR™ SolarBIT Products for Energy Harvesting

Milpitas, CA and Biel, Switzerland. September 20, 2011 – IXYS Corporation (NASDAQ: IXYS) today announced the release of its 2nd generation IXOLAR™ SolarBIT products, which are made of high-efficiency monocrystalline solar cells. The IXOLAR™ SolarBITs are ideal for charging many types of battery-powered off the grid products. The products are offered as a component so customers can assemble them at ease to incorporate solar charging into their products.

The wide range of applications include remote sensors, battery powered lights, wireless self powered security devices and systems, and hand-held consumer products such as flashlights, mobile phones, cameras, PDAs, MP3 players and more. They are also suitable for industrial applications, portable instrumentation, portable battery powered tools, portable medical devices, automotive toll transponders, portable radios and for charging emergency back-up batteries.

“With cell efficiency of up to 22% measured at a wafer level, SolarBIT products offer the ability to extend run time even in low light conditions, plus increase battery life and run time in a small footprint which can be easily accommodated in the design of portable products,” says Nathan Zommer, IXYS Corporation’s CEO and Chairman. “The design allows the connecting of SolarBITs flexibly in series and/or parallel to perfectly meet application power requirements. This is part of our cleantech product strategy to provide sustainable energy solution for the industry and the consumer. Some of our solar based products are featured in our website, showcasing the versatility and applications of our SolarBIT products.”

IXYS’ new IXOLAR™ product mix offers multiple current and voltage ranges to accommodate differing application requirements. In addition, IXOLAR™ products have a very good response rate over a wide wavelength range and therefore can be used in both indoor and outdoor applications.

The form factor of 2nd Generation IXOLAR™ SolarBIT products as such KXOB22-12X1, KXOB22-04X3, and KXOB22-01X8 is as small as 22mm x 7mm x 1.6mm, which permits easy integration into miniature products. Typical voltage and current ratings are 0.5V/44.6mA, 1.5V/13.38mA, and 3.4V/3.8mA, respectively.

Additional product information may be obtained by visiting the IXYS website at www.ixys.com, under the solar cells based products category.

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 June 30, 2011. The Company undertakes no obligation to publicly release the results of any revisions to these forward-looking statements.