

## Press Release

### **Contact:**

Nyan Tin  
IXYS Corporation  
1590 Buckeye Drive  
Milpitas, CA 95035  
Tel: (408) 457-9039  
Email: sales@ixys.net

### **IXYS Announces 30A, 4kV Isolated Dual Channel, Gate Driver for Power MOSFET and IGBT Modules**

Leiden, Netherlands and Milpitas, CA. September 26, 2017 – IXYS Corporation (NASDAQ: IXYS), a global manufacturer of power semiconductors and integrated circuits (ICs) for energy efficiency, power management, transportation, medical, and motor control applications, today announced a 30A, dual channel, 4000V isolated gate driver module, the IXIDM1403\_1505\_M.

Built with the IX6610/11 gate driver chipset, it allows a 3.3V microcontroller (MCU), through a 4kV isolation barrier, to control IGBTs and MOSFETs in the half-bridge configuration. The PWM signals can be as short as 500 ns, and there is no lower limit on the switching frequency. It is capable of driving high-power IGBT and MOSFET modules rated up to 1700V.

The IXIDM1403\_1505\_M gate driver core can support switching frequencies up to 250kHz. The two output channels are electrically isolated from each other and from the primary side. An internal power supply can provide up to 2W per channel of isolated power to drive both upper and lower IGBTs (or MOSFETs), effectively isolating the MCU from the high power circuitry. Operating from a single polarity 15V power source, it provides +15V/-5V and 30A peak current to the IGBT/MOSFET gates as well as +3.3V (at 50mA) to the corresponding controlling MCU.

This driver module provides a complete high voltage, gate driver solution with all the necessary features: short circuit protection, under and over-voltage lockout protection, advanced active clamping, and supply voltage monitoring. Enclosed in a 50mm x 48mm x 22mm package, it enables a compact and low profile design.

The IXIDM1403\_1505\_M gate driver module is well suited for digital power applications where a Zilog microcontroller can be used to implement the digital control. Such power conversion applications include high power inverters, isolated DC-DC converters, motor drives, uninterruptable power supplies (UPS), renewable energy, traction, and medical devices.

Additional product information can be obtained by visiting the 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, rating, benefits, availability 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 Report on Form 10-Q for the fiscal quarter ended June 30, 2017. The Company undertakes no obligation to publicly release the results of any revisions to these forward-looking statements.