

# IXYS UK Total Product Solutions

*Complete solutions for high power applications*

*From semiconductors to clamping, drives to snubber components, IXYS UK can provide a total solution for your high power application*

## **Rectifier diodes**

Devices up to 9830A and 6kV including the new 83mm  $\phi$  Si diodes, manufactured using a bonded die construction for maximum power to package ratio. This range also includes devices in the Wespac outline for devices up to 2200V, giving maximum power rating for weight and volume



## **Phase control and Medium voltage thyristors**

Phase control and medium voltage thyristors – IXYS UK has one of the most comprehensive ranges of phase control devices in the industry, with  $I_{TAV}$  up to 6974A and  $V_{RRM}/V_{DRM}$  up to 6500V. These devices are also available in Wespac housings up to 2200V. Our range of medium voltage thyristors is specifically designed for series operation in medium voltage applications such as HVDC, static VAr compensators, excitation and medium voltage DC drives

## **Gate turn-off (GTO) thyristors**

Gate turn-off (GTO) thyristors – IXYS UK offers a broad range of GTO thyristors with voltage ratings up to 4.5kV (2.8kV DC link) and controllable current ratings up to 4kA. We can offer both symmetrical devices for applications with a reverse blocking requirement e.g. current sourced inverters and asymmetrical blocking devices for applications with no reverse blocking requirement e.g. voltage sourced inverters



## **Press-pack IGBT's**

As a pioneer of press-pack IGBT technology, we are able to offer a range of class leading devices with voltage ratings of 2.5kV (1.25kV DC link) and 4.5kV (2.8kV DC link). IXYS UK IGBT's are completely free of wire and solder bonds which all but eliminates the problems of mechanical fatigue associated with conventional modules

## **Diode/thyristor modules**

IXYS UK can offer a range of isolated base diode/thyristor modules, including our new range of high power modules available with current ratings up to 1080A and voltage ratings up to 3600V



## **Ancillary components**

To complement our range of semiconductor devices, IXYS UK can offer a wide variety of ancillary components including, bar and box clamps, heatsinks, coolers, gate drives, leads, high speed fuses and snubber capacitors



## **Power electronics stacks**

Our dedicated team of highly experienced design engineers can deliver a wide variety of industry leading solutions ranging from simple, standard sub-assemblies to complicated multi-megawatt power systems. We also have a range of standard assembly Westack and WestackLite modules for rectification and voltage regulation

**Efficiency  
Through  
Technology**

[www.ixysuk.com](http://www.ixysuk.com)

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