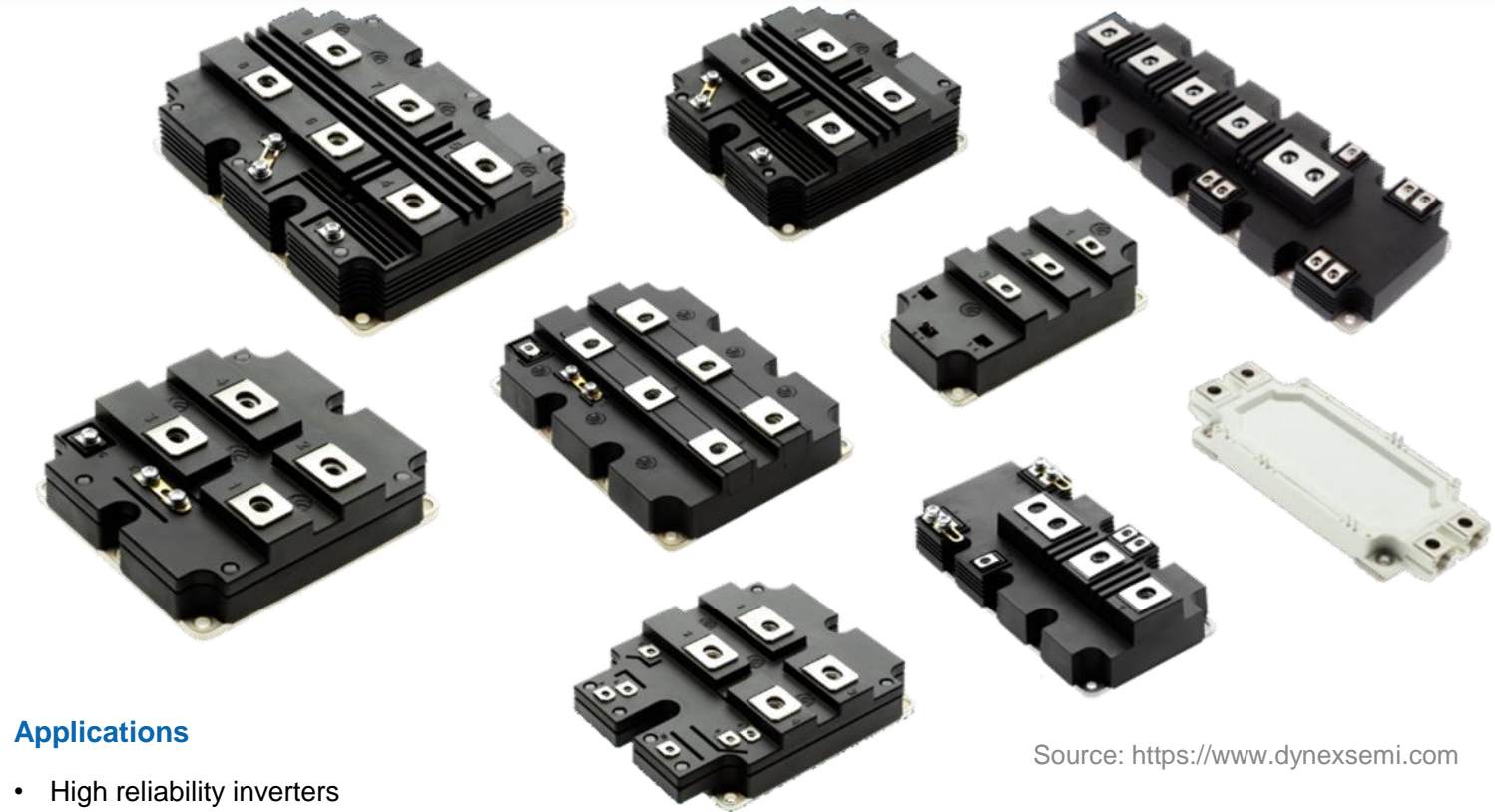


Dynex range of UK manufactured IGBT modules include half bridge, chopper, dual, single and bi-directional switch configurations covering voltages 1200V to 6500V and currents from 100A to 3600A - available utilising chips that have been optimised for switching or static losses depending on the application.

Key Features (Module Dependant)

- High DC stability via advanced edge termination design and passivation
- High short circuit capability wide SCSOA
- Self-limiting short circuit current
- Trench gate generation 5 IGBT
- Temperature conditions from -40/ - 50°C to +150°C
- Low switching losses
- $T(vj\ op) = 150^{\circ}\text{C}$
- AlSiC Baseplate for increased thermal cycling capability
- Package design with CTI > 600
- Isolated base plate
- High isolation voltage available



Source: <https://www.dynexsemi.com>

Applications

- High reliability inverters
- Motor controllers
- Traction drives
- High power converters
- Renewable energy power conversion
- Power charging equipment
- High reliability inverters
- Different circuit topologies (half bridge, single switch, chopper)
- Electric vehicles

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