

An alternative solution to these problems is to use an integrated power module that contains all the required power devices along with matched gate drivers and protective functions integrated in low ...

Industrial inverter systems are widely used in motor drives, HVAC equipment, automation systems and variable frequency drives (VFD). Selecting the right Intelligent Power Module (IPM) is a critical step ...

This is the ideal package for extending your current inverter design to achieve higher power with only few mechanical modifications. At the same time, this package has "inherited" many of the ...

Imperix power modules are building blocks for the rapid implementation of power inverter prototypes, as well as all sorts of power converters. They are notably ideally suited for modular power converter ...

High power IGBTs (here a 3300V, 1200A switch) are obtained by connecting tens of dies in parallel in a power module. A power module or power electronic module provides the physical containment for ...

The IGBT and diode devices that constitute these modules have been made thinner and miniaturized to optimize the device structure. This has reduced the power loss during inverter operation compared ...

The design and implementation of power modules must be adapted to the requirements of the entire life cycle of a vehicle. This is why Bosch offers three distinct model types of SiC power modules for ...

Learn the basics of what an IGBT power module is, what it does and how it works.

Our power module portfolio covers a wide range of voltage classes, current ratings, and topologies, so virtually any application can benefit from the outstanding performance, efficiency, and longevity ...

The NFAM2512SCBUT is a fully-integrated inverter power module consisting of an independent High side gate driver, LVIC, six SiC MOSFET"s and a temperature sensor (VTS or Thermistor), suitable for ...

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