

Embedded Power Module Inverter

The resulting Logic-Power module, with x/y dimension of only 3.5cm by 2.5cm and 4.5mm thickness, provides a monolithic and highly miniaturized component (Fig. 19).

By contrast, embedded drives install the inverter inside the motor housing, which requires both motor and inverter to be waterproof and dustproof, and this affects the system's ...

An embedded drive circuit consists of an input rectifier, PFC boost stage and a three-phase output inverter. Depending on the application, the best choice of module for this circuit is a highly integrated ...

Our inverter subassembly is the essential power device building block (brick) to control the electric drive via logic signals. Offering a flat design and easy to integrate into small spaces, this inverter brick with ...

HV inverter brick - Embedded Power Module, cooler, DC link, hall sensor, and GDB800 V SiC module:
I_{peak} = 650 Arms @930 V, 10 s, 10 L/min, 65 °C_{stray}

When it comes to power electronics, Bosch meets every vehicle manufacturers' need with options for all integration levels - from eAxle systems to inverters up to power modules on cooler and stand-alone.

High voltage power modules with integrated gate drivers for consumer, industrial and automotive applications. Offering a large range of 3 Phase inverter modules covering power levels from 50 W to ...

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 ...

With the automobile component suppliers Bosch and Vitesco, Fraunhofer IZM has developed an SiC inverter module for high-performance electric engines. This is the first power module for electric and ...



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