Integrated power battery module

In this training series, we discuss the high level of integration of our power modules and the significant implications that this has on power-supply design with respect to solution size, EMI, design time and ...

This paper presents a comprehensive overview of the critical considerations in battery module design, including system requirements, cell selection, mechanical integration, thermal ...

We provide a comprehensive portfolio of Intelligent Power Modules (IPMs) covering a wide range of semiconductor technologies, package types, and voltage/current ratings.

Built with high-quality LFP or NMC cells, our modules support VDA and customizable configurations, making them ideal for electric vehicles, energy storage systems, and industrial power solutions.

IGBT power modules consist of multiple IGBT chips and freewheeling diodes that are encapsulated in a single package, offering a compact and efficient solution for high-power applications.

Explore designing highly integrated EV battery systems from module to pack with advanced cell-to-pack tech boosting energy density and safety.

Discover PointGuard Home, the AI-optimized 5-in-1 energy system. Integrates inverter, battery, EMS & optional EV charging for savings, backup & control.

Reduce design time and effort with the STPOWER portfolio of highly integrated, high-efficiency power modules for flexible, compact, and robust solutions ranging from tens of watts to several kilowatts.

Electric vehicles carry a whole power plant under their floors - except it"s made of batteries, not pistons. To get a big range, automakers pack thousands of lithium ion battery cells ...

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