



Intelligent Drive Power Supply Integrated Device

Preview

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 10 kW. Available in different topologies including PFC and input bridge. CIPOS(TM) Intelligent Power Modules for high performance and high intergration We provide a comprehensive portfolio of Intelligent Power Modules (IPMs) covering a wide range of semiconductor technologies, package types, and voltage/current ratings. These circuits perform functions like PWM dimming of light-emitting diodes (LEDs), display backlight drivers, headlight switches, and high voltage relay controllers. Log in to your. Renesas intelligent power devices (IPDs) power and protect electrical loads in vehicles to enable safer, more robust power distribution.

Maximize the integration of your high-power motor drive design - Dive into SLLIMM high power modules in the webinar through premium on-demand content,

Our IPMs integrate high-performance MOSFETs, IGBTs, and SiC devices with next-generation gate driver ICs for precise switching control, as well as optimized

Intelligent Power Devices (IPDs) integrate the power MOSFET switch, along with all of these discrete protections, into a single chip. This provides a lower cost

Basically, I would expect an intelligent power module to be an integrated power supply device that incorporates the digital "intelligence"

Transparency down to the field level for proactive protection SIRIUS 3RA8 intelligent load feeder - completely mounted and fully integrated in Totally Integrated Automation

A new Intelligent Power Module, so called PI-IPMTM, using the well-known DBC technology has been developed specifically for high performances servo motor driver application.

ACOPOSmulti drives are already prepared for future standards. Like all other modules in the ACOPOSmulti series, the power supply modules also have a network connection. This allows all

Intelligent Power Supply Solutions Today, power supply designers must create power conversion products that offer greater efficiency, higher power density, higher reliability, advanced

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priced energy for Europe.

An intelligent power supply does not need to be complex or expensive. Offering MCUs and DSCs ranging from 6- to 144-pins, Microchip has an appropriate device solution for every application.

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Common Protection Functions of an Intelligent Power Device (IPD) In safety-critical applications, like in automotive designs, reliability is key. Here

Because the driving conditions and protection functions are optimized for the built-in power devices, and because they are easy to use, they

The Intelligent Power Module Concept for Motor Drive Inverters Designers of inverters for small AC motors in consumer and general purpose industrial applications are required to meet increasingly

The intelligent driving algorithm concept proposes a realization of power MOSFET gate driving with controlled source/sink current of the power

MILPITAS, Calif., May 18, 2026 (GLOBE NEWSWIRE) -- Lumissil Microsystems today announced the IS32FL3776 matrix LED driver for software-defined exterior lighting module applications.

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