

Integrated Intelligent Miniature DC Power Supply



Overview

To meet the strong demand for small size and higher power density, Infineon has developed a new family of highly integrated intelligent power modules that contain nearly all of the semiconductor components required to drive electronically controlled variable-speed electric motors. They incorporate a. Our portfolio of isolated power modules combines high-density integrated field-effect transistor and integrated transformer technology to help reduce your bill of materials and simplify your isolated DC/DC designs. By integrating transformers with advanced packaging, including our new IsoShield™. Microchip offers a comprehensive set of Intelligent Power Supply solutions enabling you to meet these challenges. Isolated bias-supply solutions such as push-pull and flyback converters. The growing number of high-performance FPGA and ASIC applications that are driven by the increased bandwidth of wireless networks and data centers require power regulators with high power density, fast load transient response, and intelligent power-management features. The series includes CIPOS™ Nano, CIPOS™ Micro, CIPOS™.



Article Content

Sep 25, 2025

Isolated power modules (integrated transformer) | TI

Our portfolio of isolated power modules combines high-density integrated field-effect transistor and integrated transformer technology to help reduce your bill of materials and simplify your isolated

May 19, 2026

Intelligent Scalable DC/DC Power Modules | Article | MPS

The MPM3695 series of power modules is the power solution for today's FPGA and telecom applications requiring a short time-to-market, high power density, and

Apr 28, 2026

CIPOS Mini Technical description

To meet the strong demand for small size and higher power density, Infineon has developed a new family of highly integrated intelligent power modules that comprise nearly all semiconductor

Jan 07, 2026

INTEGRATED POWER DEVICES SIMPLIFY AN EMBEDDED DC-DC POWER SUPPLY

Abstract A new class of integrated power devices has been developed to simplify embedded dc-dc power supply designs. The paper includes comparison with existing discrete/co-package solutions

Oct 10, 2025

DC/DC power modules

TI's comprehensive power module portfolio delivers space-efficient, high-performance solutions for today's demanding applications. For general DC/DC conversion, our modules with μ SIP or

Jan 14, 2026

Intelligent Power Supply Design Solutions Brochure

The dsPIC33 DSC family dynamically controls different power stages in power-efficient and highly integrated DC-DC converters. The high-speed ADC, PWM and comparators work together requiring

Nov 23, 2025

Intelligent Power Module (IPM) Devices

ST's power modules help you simplify designs and reduce component count. Save costs with ST's intelligent power modules (IPMs) for flexible and robust designs,

Nov 22, 2025

Intelligent Power Supply Design Solutions

Discover Microchip's Comprehensive Intelligent Power Supply Solutions Today, power supply designers must create power conversion products that offer greater efficiency, higher power density, higher

Jan 12, 2026

Intelligent power modules (IPM) | Infineon Technologies

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

Apr 02, 2026

Miniware MDP-XP Smart Digital Power Supply Kit

MDP (Mini Digital Power System) is a system of programmable linear DC power supply based on a modular design, capable of achieving multichannel free

Oct 02, 2025

Miniature SIP AC-DC Power Supplies

Miniature SIP AC-DC Power Supplies CUI's PBK ultra-compact SIP AC-DC power supplies maximize board space CUI Inc. launched their smallest AC-DC power supplies yet with the

Feb 14, 2026

Intelligent power modules (IPM) | Infineon Technologies

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

Aug 07, 2025

M4-ATX, intelligent ATX automotive power supply,

Intelligent Automotive / Car DC-DC ATX PC Power Supply M4-ATX is an intelligent, high power, vehicle (car / boat / electric cart) DC-DC ATX PC power supply

Dec 28, 2025

Intelligent Power Modules (IPMs): Concepts, Features,

This article provides essential information on IPMs, which offer improved performance and simplified development for high-power switching

Jun 12, 2026

Intelligent Power Supply Design Solutions

Today, power supply designers must create power conversion products that offer greater efficiency, higher power density, higher reliability, advanced communications and sophisticated control features.

Oct 15, 2025

CIPOS Mini IPM IM535 series

To meet the strong demand for small size and higher power density, Infineon has developed a new family of highly integrated intelligent power modules that contain nearly all of the semiconductor

Sep 27, 2025

Intelligent Power Modules (IPMs): Concepts, Features,

Form Factor Intelligent power modules tend to come in through-hole packages that I would describe as somewhat nonstandard. Here are some

May 19, 2026

Power modules (integrated inductor) | TI

Power modules with integrated inductors and innovative packaging technology, like those that utilize our new MagPack™ package, are designed to enable a small solution size, high power density and

May 28, 2026

How a tiny isolated DC/DC module is enabling higher power density

Breakthroughs in transformer design have allowed integrated circuit designers to fully integrate a transformer and silicon into one package, reducing the isolated DC/DC power supply height and size

Jan 17, 2026

Intelligent Power Module (IPM) Devices

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

Jul 11, 2025

M2-ATX (160w) Intelligent DC-DC Car PC Power Supply

M2-ATX is an intelligent, high power, vehicle (car / boat / electric cart) DC-DC ATX PC power supply designed for car pc or battery powered applications

May 07, 2026

M3-ATX, intelligent ATX automotive power supply,

M3-ATX, 125w output, 6v to 24v wide input Intelligent Automotive DC-DC Car PC Power Supply Designed and Manufactured by MINI-BOX \$69.00 Quantity:

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://www.regen-power.co.za>

Email: info@regen-power.co.za

Phone: +49 176 845 2036

Address: Taunusanlage 15, 60325 Frankfurt am Main, Germany

This document is for informational purposes only. Specifications subject to change without notice.

