

AI Server Power Supply Inductor Supplier



AI Overview

Leading suppliers of high-performance inductors for AI server power supplies include Codaca and Cyntec, offering specialized solutions for high-current, high-efficiency, and thermally stable applications.

Key Suppliers and Offerings

Codaca provides a range of inductors tailored for AI servers, focusing on high-performance, low-loss, and compact designs suitable for high-current environments. Their product lines include:

- Customizable through-hole common-mode chokes (TCAB series) for AC-DC systems
 - High-saturation, high-current inductors (CSBA and CSBX series)
 - Low-loss molded inductors (CSAB, CSEB, CSEC, CSHB, CSHN series)
 - TLVR inductors (CSFED series) for low-voltage, high-current applications with fast transient response and improved efficiency
- Cyntec specializes in compact, high-efficiency, low-loss power inductors for AI server applications, including SXM accelerator cards, UBB motherboards, and switches. Their solutions leverage proprietary material formulas, 3D modeling, and optimized coil parameters to enhance saturation current and reduce power loss. Key offerings include:
- TLVR power inductors with multi-phase, thin-profile designs for improved dynamic response and power conversion efficiency
 - High power density chokes and power modules for AI/HPC data centers
 - Liquid-cooled busbars supporting up to 50Vdc/8000A for stable operation in high-density AI servers
 - E-fuse modules for integration into rack-mounted PDUs and DC power supplies...

Article Content

Jul 28, 2025

Powering the AI Revolution Efficiently and Cost Effectively

Powering the AI Revolution Efficiently and Cost Effectively The data center of the future—the AI factory—runs on

Jul 21, 2026

AI Server & Switch

Cyntec has developed compact, high-efficiency, low-loss power inductors specifically designed for applications such as AI server

Sep 04, 2025

Revolutionizing High Power Server PSU:

Lite-on advocate single PSU power levels to rise to 5.5~8 kW in 2025 due to AI server applications. GaN and SiC devices are the

Dec 03, 2025

High Power Density Solutions for AI & Server | Analog Devices

With patented Coupled Inductor technology, Maxim's power solutions provide high power,

Sep 18, 2025

Inductors for AI servers Market - PW Consulting Information ...

In practice, Codaca Electronic Co., Ltd. built its offer around AI-server power needs, including tailored molded inductors

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Power Inductor Considerations for AI Computing and High-Powered ...

In this episode of Chalk Talk, Mariyah Sachak from Vishay and Amelia Dalton explore how various inductor solutions

Dec 27, 2025

POWER ICs FOR AI SERVERS Selector Guide

MAXIMIZING POWER EFFICIENCY FOR AI SERVERS As AI servers take center stage in modern technology, they place greater

Sep 04, 2025

A New Generation of GaN Devices to Meet AI Server Power Demands

Meanwhile, with the global focus on energy conservation and emission reduction, ambitious ecodesign regulations continue to raise

May 20, 2026

Power inductor for ai innovation

Our inductors deliver precise power control, fast transient response, and thermal stability for AI processors, data

Aug 20, 2025

Si, SiC, and GaN Unite in New Power-Supply Unit for AI

Infineon's 8-kW reference design for data centers features Si, SiC, and GaN technologies to help quench AI's thirst for

Oct 14, 2025

POWER ICs FOR AI SERVERS Selector Guide

High Efficiency, Compact DC/DC Regulators Optimize Power Delivery ited for AI server power architectures. Models such as the

Feb 20, 2026

5 kW GaN-Based AC/DC Reference Design for AI Server and Data

Modular 5 kW GaN Design from EPC Powers AI Servers and OCP ORv3 Racks EL SEGUNDO, Calif.— October

Dec 16, 2025

AI Server Requirements for Inductor and Selection Recommendations

As a core component in AI servers, inductors play a vital role in power management, signal filtering, and other critical

Dec 04, 2025

Infineon unveils roadmap for power supply units in AI data centers

News: Microelectronics 24 May 2024 Infineon unveils roadmap for power supply units in AI data centers Infineon Technologies AG of

May 08, 2026

AI Server & Switch

The innovative TLVR power inductor, with its multi-phase, thin-profile design, has successfully improved dynamic response efficiency

Feb 21, 2026

AI PSU | Infineon Technologies

AI PSU | Infineon Technologies Infineon explores the latest advancements in AI server power supplies, addressing the challenges

Dec 10, 2025

How to Choose an AI Server Power Supply Unit (PSU)? AI Server

Explore the differences between general servers and FSP AI server power supply solutions. Learn how these

Jun 15, 2026

High current inductors for server power applications

Background and definition of terms Eaton's Electronics Division is a leading supplier of high current and other inductors for DC-DC

Feb 13, 2026

MLCCs, Inductors and Power Modules in AI Infrastructure

MLCCs, inductors, and power modules enable efficient, reliable power delivery for AI infrastructure, supporting high

Oct 15, 2025

Meeting the Demanding Energy Needs of AI Servers with Advanced ...

Utilizing high-efficiency MOSFETs, sophisticated gate drivers and dsPIC DSCs equipped with high-performance and

Mar 03, 2026

Server and AI Infrastructure - SUDTECH - Power Supply

AI compute clusters, cloud servers, and Big Data infrastructure run 24/7 at maximum load. Efficiency at the power supply level is not

Jun 29, 2026

How Next-Gen AI Data Centers Are Optimizing Power Efficiency With

Server power supplies benefit from SiC rectifiers and PFC circuits, contributing to overall energy savings. Battery

Jul 15, 2026

MOSFET Selection and Efficiency Measurement for AI Server Power Supplies

Light-load efficiency is gaining importance in server equipment designed to meet 80 PLUS Titanium, due to the extra

Sep 17, 2025

Powering AI Hardware

Current data center market solutions for artificial intelligence applications deliver power density up to 40

Sep 24, 2025

Inductors for AI servers Market

The Inductors for AI servers Market, valued at USD 2.55B in 2026, is projected to reach USD 8.97B by 2032, growing at a 23% CAGR.

Nov 06, 2025

TI's new power-management solutions enable scalable AI

The module integrates two power stages and two inductors with trans-inductor voltage regulation (TLVR) options,

Dec 21, 2025

Powering the AI Era: Innovations in Data Center Power Supply

Powering the Next Era of AI Infrastructure As AI data centers scale toward multi-megawatt clusters and rack densities approach one

Mar 21, 2026

Understanding and Overcoming the Challenge of Powering AI in Data

The energy-intensive demands of new forms of information application, such as AI processing, increasingly stretch

Aug 31, 2025

Server power supply units (PSU) | Infineon Technologies

What technologies enable high-performance AI server PSUs? Server power supply units (PSU) are critical to delivering stable and

Jul 20, 2026

Scaling AI Data Center Power Delivery with Si, SiC, and

Explore how SiC and GaN are redefining power-supply design to meet the growing

May 31, 2026

Meet the Next-Gen Inductors Powering AI

We're live at PCIM Europe in Nuremberg, the global stage for power-electronics innovation,

Nov 08, 2025

Superworld Debuts High-Performance SMD Inductors

Superworld Electronics is showcasing its latest innovations in Surface-Mount Device (SMD)

May 11, 2026

AI Server Power Supplies

AI power supply solutions for data centers and computing systems with efficient power management and performance.

Contact Us

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