

Global Data Center Power Inductor Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Data Center Power Inductor market size is expected to reach \$ 1792 million by 2032, rising at a market growth of 11.2% CAGR during the forecast period (2026-2032).

In 2025, global sales volume of Data Center Power Inductor is estimated at approximately 1.5 billion units, with a global average market price of around USD 0.55 per unit. The gross margin of major manufacturers in the industry is generally around 25%-40%.

Data Center Power Inductor refers to a type of power magnetic component used in data center power supply systems, including server power supplies, UPS power supplies, high-voltage DC power supply systems, and modular power supplies. The product mainly performs functions such as energy storage, filtering, current stabilization, current ripple suppression, and power conversion efficiency improvement. Common product forms include front-end filtering and PFC inductors, resonant converter inductors, DC-DC inductors for power modules, and board-level POL/VRM high-current inductors. Compared with ordinary inductors, Data Center Power Inductor places greater emphasis on high rated current, high saturation current, low DC resistance, low loss, low temperature rise, miniaturization, and long-term operational stability, enabling it to meet the high power density and fast load transient requirements of AI servers, general-purpose servers, and data center power supply equipment.

The downstream applications of Data Center Power Inductor mainly include server power supplies, UPS power supplies, high-voltage DC power supply systems, modular power supplies, and other data center power supply scenarios. Overall, the value of this product is mainly concentrated in high-frequency and low-loss magnetic materials, low-

DCR high-current structural design, thermal management, reliability verification, and customization capabilities matched with server power supply architectures.

This report studies the global Data Center Power Inductor production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Data Center Power Inductor and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Data Center Power Inductor that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Data Center Power Inductor total production and demand, 2021-2032, (Million Units)

Global Data Center Power Inductor total production value, 2021-2032, (USD Million)

Global Data Center Power Inductor production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Million Units), (based on production site)

Global Data Center Power Inductor consumption by region & country, CAGR, 2021-2032 & (Million Units)

U.S. VS China: Data Center Power Inductor domestic production, consumption, key domestic manufacturers and share

Global Data Center Power Inductor production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Million Units)

Global Data Center Power Inductor production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Million Units)

Global Data Center Power Inductor production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Million Units)

This report profiles key players in the global Data Center Power Inductor market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include TDK, Vishay, Eaton, Bourns, Würth Elektronik, Sumida, KEMET, Abracon, Coilmaster, YAGEO, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices

used in analyzing the World Data Center Power Inductor market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Million Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Data Center Power Inductor Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Data Center Power Inductor Market, Segmentation by Type:

PFC Inductor

Resonant Converter Inductor

DC-DC Inductor

Board-Level POL/VRM High-Current Inductor

Global Data Center Power Inductor Market, Segmentation by Rated Current:

Medium-Current Type

High-Current Type

Ultra-High-Current Type

Global Data Center Power Inductor Market, Segmentation by Application:

Server Power Supply

UPS Power Supply

High Voltage DC Power Supply

Modular Power Supply

Other

Companies Profiled:

TDK

Vishay

Eaton

Bourns

Würth Elektronik

Sumida

KEMET

Abracon

Coilmaster

YAGEO

Cyntec

Delta Electronics

CODACA

Mentech

Microgate

Eaglerise Electric & Electronic

Key Questions Answered:

1. How big is the global Data Center Power Inductor market?
2. What is the demand of the global Data Center Power Inductor market?
3. What is the year over year growth of the global Data Center Power Inductor market?
4. What is the production and production value of the global Data Center Power Inductor market?
5. Who are the key producers in the global Data Center Power Inductor market?
6. What are the growth factors driving the market demand?

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