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Data Center PDU Market by Product Level (Rack PDU, Floor PDU), Phase Type (Single-Phase, Three-Phase), Workload Type (AI Workload, General-Purpose IT Workload), End User (Hyperscale, Colocation, Enterprise) - Global Forecast to 2032

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Abstracts

Data Centre PDU Market is expected to be valued at USD 4.89 billion in 2026 and USD 14.23 billion by 2032, registering a CAGR of 19.5% during the forecast period.

“Expansion of Hyperscale and AI-Driven Data Centers to Drive the Data Center PDU Market”

The rapid expansion of hyperscale and AI-driven data centers is driving the data center PDU market. Increasing deployment of cloud computing, AI workloads, and high-performance computing infrastructure has significantly increased the demand for intelligent and high-density power distribution solutions. Data center operators increasingly require advanced PDUs that provide real-time monitoring, remote management, load balancing, and energy optimization capabilities while ensuring uptime reliability in mission-critical environments. Rising rack power densities and investments in AI-ready infrastructure continue to boost the the adoption of monitored and switched PDUs. Additionally, the strong focus on operational efficiency, sustainability, and scalable digital infrastructure is expected to support long-term growth momentum across modern data center environments globally.

“Switched PDU Segment to Hold the Largest Share of the Data Center PDU Market in 2026”

The switched PDU segment is projected to hold the largest share of the data center

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PDU market in 2026 due to the mounting demand for intelligent power management, remote monitoring, and operational efficiency across hyperscale and enterprise data centers. Switched PDUs provide advanced capabilities, such as outlet-level control, load balancing, energy optimization, and remote reboot functionality, making them suitable for high-density and mission-critical environments. Rising adoption of AI workloads, cloud computing, and colocation infrastructure is significantly accelerating the deployment of intelligent switched PDUs. Additionally, growing focus on uptime reliability, cybersecurity, and DCIM integration is further strengthening the adoption of switched PDUs across modern data center environments globally.

“AI Segment to Register the Highest CAGR in Data Center PDU Market Between 2026 and 2032”

The AI workloads segment is projected to register the highest CAGR during the forecast period due to the rapid expansion of generative AI, high-performance computing, and accelerated computing infrastructure across hyperscale and cloud data centers. AI workloads require significantly higher rack power densities and advanced power distribution systems capable of supporting GPU-intensive environments. Increasing investments in AI-ready facilities, liquid cooling infrastructure, and high-density computing architectures are accelerating the demand for intelligent monitored and switched PDUs. Additionally, the rising adoption of machine learning, data analytics, and large language models is further strengthening long-term growth opportunities for AI-focused data center power infrastructure globally.

“Asia Pacific to Hold the Second-Largest Share of the Data Center PDU Market in 2026”

Asia Pacific is projected to account for the second-largest share of the data center PDU market in 2026 due to the rapid expansion of hyperscale and colocation data centers across China, India, Japan, Singapore, and South Korea. The region is witnessing strong investments in cloud computing, AI infrastructure, and digital transformation initiatives, significantly increasing the demand for intelligent and high-density power distribution solutions. In addition, the presence of strong electronics manufacturing ecosystems and growing internet penetration is supporting rapid infrastructure deployment. Increasing adoption of edge computing, AI-ready facilities, and energy-efficient data center technologies continues to strengthen market growth across Asia Pacific.

Breakdown of Primaries

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Various executives from key organizations operating in the data center PDU market were interviewed in-depth, including CEOs, marketing directors, and innovation and technology directors.

By Company Type: Tier-1 – 18%, Tier-2 – 22%, and Tier-3 – 60%

By Designation: C-level Executives – 21%, Directors – 35%, and Others – 44%

By Region: North America – 45%, Europe – 20%, Asia Pacific – 30%, and RoW – 5%

The data center PDU market is dominated by Schneider Electric (France) and followed by Vertiv (US), Eaton (Ireland), Legrand (France), ABB (Switzerland), nVent (UK), Rittal (Germany), Delta Electronics (Taiwan), Cyber Power Systems (Taiwan), and ATEN International (Taiwan).

Study Coverage

The report segments the data center PDU market and forecasts its product level, phase type, workload type, end user, and region. The report also discusses the drivers, restraints, opportunities, and challenges pertaining to the market. It provides a detailed view of the market across five main regions—North America, Europe, Asia Pacific, and RoW. The report includes a value chain analysis of the key players and their competitive analysis of the wireless audio device ecosystem.

Key Benefits of Buying the Report

Analysis of key drivers (expansion of hyperscale and AI-driven data centers), restraints (high initial cost associated with intelligent and advanced PDU systems), opportunities (AI and high-density infrastructure expansion), and challenges (increasing complexity in managing high-density power and thermal loads and cybersecurity risks in connected PDUs), influencing the growth of the data center PDU market

Products/Solution/Service Development/Innovation: Detailed insights into upcoming products, research, and development activities in the data center PDU market

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Market Development: Comprehensive information about lucrative markets–the report analyzes the data center PDU market across varied regions

Market Diversification: Exhaustive information about new wireless audio devices in untapped geographies, recent developments, and investments in the data center PDU market

Competitive Assessment: In-depth assessment of market shares and growth strategies, and offerings of leading players offering components of the data center PDU market, such as Schneider Electric, Vertiv, Eaton, Legrand, and ABB

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