

Intelligent PDU Market by Type (Metered, Monitored, Automatic Transfer Switch), Power Phase (Single Phase, Three Phase), Application (Datacenters, Industrial Power Solutions, VoIP Phone Systems), Industry, and Geography - Global Forecast to 2023

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Abstracts

“Intelligent PDU market expected to exhibit a significant growth between 2017 and 2023”

The intelligent PDU market was valued at USD 1.24 billion in 2017 and is expected to reach USD 2.01 billion by 2023, at a CAGR of 8.4% between 2017 and 2023. The key factors driving the growth of the intelligent PDU market include the increasing demand for high-power capacities in high-power density environments, rising demand for intelligent products in datacenters, and growing environmental and safety concerns in developed countries. However, factors such as higher implementation cost of an intelligent PDU than a basic PDU and rising density of bigger datacenters are limiting the growth of the market.

“Market for single-phase intelligent PDUs to grow at a high rate between 2017 and 2023”

The market for single-phase intelligent PDUs is expected to grow at a high rate between 2017 and 2023. These PDUs are used in applications wherein heavy power source is not required. Single-phase intelligent PDUs are low-cost and hence, are preferred by entry-level customers. The average cost of a single-phase PDU is 25–40% lesser than that of a three-phase PDU. Single-phase intelligent PDUs are also used in small- and medium-level datacenters, educational institutes, and local offices. These factors contribute to the growth of the market for single-phase intelligent PDUs.

“Intelligent PDUs market for datacenters applications to grow at a high rate between 2017 and 2023”

The intelligent PDU market for datacenters is expected to grow at a high rate between 2017 and 2023. Datacenter applications comprise colocation services and facilities, which require servers and network topology to store data of customers. With the developments in the telecom & IT and BFSI industries, the colocation business is growing rapidly. The rise of Industrial Revolution 4.0 and big data has increased the need for datacenters; with the increasing number of datacenters, the market for intelligent PDUs is expected to grow as PDUs play a vital role in datacenters.

“North America to hold the largest share of the global intelligent PDU market throughout the forecast period”

North America is expected to hold the largest share of the intelligent PDU market between 2017 and 2023. North America has been a major contributor to the growth of the overall intelligent PDU market as this region is an important hub for colocation centers and the IT industry. The colocation centers in North America have huge facilities, which house enormous data of a number of companies and websites. It is one of the prime locations for datacenters and is home to players of all sizes, from garage start-ups to global colocation players. Major players from the telecom & IT, BFSI, transportation, and energy industries have a presence in this region; these players are the prominent end users of intelligent PDUs. The US and Canada are the chief contributors to the growth of the intelligent PDU market in North America.

Breakdown of the profiles of primary participants for the report has been given below:

By Company Type: Tier 1 = 42%, Tier 2 = 33%, and Tier 3 = 25%

By Designation: C-Level Executives = 46%, Directors = 35%, and Others = 19%

By Region: North America = 35%, Europe = 27 %, APAC = 32%, and RoW = 6%

The key players operating in the intelligent PDU market are Cyber Power Systems (US), Raritan (US), Schneider Electric (France), Vertiv (US), Eaton (Ireland), ABB (US), Black Box (US), Cisco Systems (US), Enlogic (US), Geist (US), Hewlett Packard Enterprise (US), Leviton (US), Rittal (Germany), Siemon (US), and Tripp Lite (US).

Research Coverage

The research report analyzes the intelligent PDU market based on type, power phase, application, industry, and geography. The market has been segmented on the basis of type into metered, monitored, switched, automatic transfer switch, hot swap, and dual circuit. Based on power phase, the market has been segmented into single phase and three phase. Based on application, the intelligent PDU market has been classified into datacenters, industrial power solutions, VoIP phone systems, educational labs, commercial applications/network closets. Industries that use intelligent PDUs include telecom & IT, BFSI, healthcare, transportation, industrial manufacturing, government, and energy. The report covers the market in 4 major regions—North America, Europe, APAC, and RoW.

Key Benefits of Buying the Report:

Illustrative segmentation, analysis, and forecast of the market based on type, power phase, application, industry, and geography have been conducted to give an overall view of the intelligent PDU market.

Major drivers, restraints, opportunities, and challenges pertaining to the intelligent PDU market have been detailed in this report.

The report includes a detailed competitive landscape, along with the profiles of key market players.

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According to the new market research report "Intelligent PDU Market by Type (Metered, Monitored, Automatic Transfer Switch), Power Phase (Single Phase, Three Phase), Application (Datacenters, Industrial Power Solutions, Voip Phone Systems), Industry, And Geography - Global Forecast To 2023", The intelligent PDU market was valued at USD 1.24 Billion in 2017 and is expected to reach USD 2.01 Billion by 2023, at a CAGR of 8.4% between 2017 and 2023. Factors that are driving the growth of the market include the increasing demand for high-power capacities in high-power density environments, rising demand for intelligent products in datacenters, and growing environmental and safety concerns in developed countries.

The major players operating in the intelligent PDU market are

Cyber Power Systems (US)

Raritan (US)

Schneider Electric (France)

Vertiv (US)

Eaton (Ireland)

ABB (US)

Black Box (US)

Cisco Systems (US)

Enlogic (US)

Geist (US)

Hewlett Packard Enterprise (US)

Leviton (US)

Rittal (Germany)

Siemon (US)

Tripp Lite (US)

Metered PDUs to hold the largest size of the intelligent PDU market throughout the forecast period

Metered PDUs provide local visual monitoring capability through a built-in LED meter that displays real-time power data. These PDUs can be used for inlet metering and outlet metering of power load. Both inlet- and outlet-metered PDUs help in determining power usage; however, inlet-metered PDUs determine the available capacity of the racks, and the outlet-metered PDU determine the available capacity to facilitate provisioning. Inlet-metered PDUs are used to trigger user-defined alarms, thereby warning about the potential circuit overload to avoid any IT failures; and outlet-metered PDUs are used to measure the actual consumption of power at the device and server levels.

Telecom & IT industry held a major share of the intelligent PDU market in 2017

Intelligent PDUs are widely used in the telecom & IT industry for applications at datacenters. The increasing use of smartphone is creating growth opportunities for the telecom sub-sectors, including wireless broadband carriers, network equipment companies, and device manufacturers. With the growing use of telecommunication devices, data generated by each device and equipment is also increasing. Datacenters store the information that is being generated by the equipment and facilitate the flow of this information; these datacenters contribute to the growth of the intelligent PDU market for the telecom & IT industry.

Intelligent PDU market in APAC to grow at a high rate between 2017 and 2023

APAC comprises China, Japan, India, Singapore and the Rest of APAC (RoAPAC). China is among the fastest-growing economies in APAC, and is also one of the biggest datacenter hubs in the region. China, owing to its huge consumer population and strong

telecommunications industry, is one of the leaders in APAC, followed by India, which is also a major economy in APAC. Japan is a smaller country with respect to land size, but is a developed country and technologically advanced compared with most countries in APAC. Technological advancements and strong telecommunication network in Japan attract foreign companies to set up their datacenters in this country.

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