

Power Distribution Unit Market by Type (Basic, Metered, Switched, Monitored, ATS, Hot Swap, Dual Circuit), Phase (Single & Three), Power Rating (Up to 120 V, 120–240 V, 240–400 V, above 400 V), End User and Region - Global Forecast to 2027

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Abstracts

The power distribution unit market is projected to reach USD 5.7 billion by 2027 from an estimated of USD 3.9 billion in 2022, in order to meet the increasing demand from telecom & IT sector. Some of the major driving factors for the market include the increase in number of data centers. Secondly, growing investments in automation and digitalization supports the implementation of power distribution unit market. Increasing application of power distribution unit in various industries is likely to propel the growth of power distribution unit market.

Power distribution units can either be basic or intelligent, depending on the features they have. These products can monitor, track, and manage every aspect of data center activity and provide efficient solutions for critical power devices, along with data center security and server management.

The recent COVID-19 pandemic has impacted the global power distribution unit market. Though the pandemic caused large-scale disruptions and challenges, it also created opportunities for the sector. The data centers were keeping things running smoothly for organizations to focus on maintaining operations. Data centers were used to support increased internet traffic, collaborative software offerings and maintain data security as well. The growing dependency on data centers has created a global demand for power distribution units.

“Metered PDUs: The largest- growing segment of the power distribution unit market”

Based on by type of power distribution unit , the metered type segment is estimated to be the largest-growing market from 2022 to 2027. Metered PDUs deliver local visual monitoring capability through an in-built LED screen that displays real-time power consumption data. The metered PDUs are categorized as inlet and outlet. The inlet metered PDUs determine the available capacity of the racks, whereas the outlet metered PDUs permit end users to understand the actual power consumption at the device or server level. Metered power distribution units provide information about the real-time remote monitoring of connected loads and power consumption of PDUs as a whole or by individual outlets.

“120–240 V power rating: The largest segment by power rating in power distribution unit market”

The 120–240 V segment, by power rating, is projected to hold the highest market share during the forecast period. These PDUs prevent accidental shutdowns and costly downtime. Thus, they are suitable to deploy high power to IT equipment racks. They provide reliable single-phase power distribution. Such PDUs are ideally suited for the IT, networking, telecom, and security industries. Also, they offer versatile installation options. These are the features that boost the demand for 120–240 V segment in power distribution unit market.

“North America: The fastest-growing region in power distribution unit market”

North America is estimated to hold the largest market share in the power distribution unit market. The region is witnessing substantial growth for colocation data centers and provides lucrative opportunities for the players operating in the power distribution unit market. These companies are taking initiatives to build new PDU platforms for colocation data centers to cater to the demand from large enterprise facilities.

Breakdown of Primaries:

In-depth interviews have been conducted with various key industry participants, subject-matter experts, C-level executives of key market players, and industry consultants, among other experts, to obtain and verify critical qualitative and quantitative information, as well as to assess future market prospects. The distribution of primary interviews is as follows:

By Company Type: Tier 1- 65%, Tier 2- 24%, and Tier 3- 11%

By Designation: C-Level- 30%, Director Level- 25%, and Others- 45%

By Region: Asia Pacific- 70%, North America- 12%, Europe- 12%, Middle East & Africa- 11%, and South America - 7%.

Note: Others includes sales managers, engineers, and regional managers.

Note: The tiers of the companies are defined on the basis of their total revenues as of 2021. Tier 1: > USD 1 billion, Tier 2: From USD 500 million to USD 1 billion, and Tier 3: The leading players in the power distribution unit market include ABB (Switzerland), Schneider Electric (France), Legrand (France), Eaton (Ireland), and Cisco Systems (US),

Research Coverage:

The report explains, describes, and forecasts the global power distribution unit market, by type, by phase, by power rating, by end user, and region.

It also offers a detailed qualitative and quantitative analysis of the power distribution unit market. The report provides a thorough review of the major market drivers, restraints, opportunities, and challenges. It also covers various important aspects of the market. These include an analysis of the competitive landscape, market dynamics, market estimates, in terms of value, and future trends in the power distribution unit market.

Key Benefits of Buying the Report

The report will help the leaders/new entrants in this market with information on the closest approximations of the revenue numbers for the overall market and the sub-segments. This report will help stakeholders understand the competitive landscape and gain more insights to better position their businesses and plan suitable go-to-market strategies. The report also helps stakeholders understand the pulse of the power distribution unit market and provides them information on key market drivers, restraints, challenges, and opportunities.

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