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Netherlands Data Center Power - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts (2024 - 2029)

https://marketpublishers.com/r/N427968D2444EN.html
Date: July 2024
Pages: 90
Price: US$ 4,750.00 (Single User License)
ID: N427968D2444EN

Abstracts

The Netherlands Data Center Power Market size is estimated at USD 0.91 billion in 2024, and is expected to reach USD 1.26 billion by 2029, growing at a CAGR of 2.9% during the forecast period (2024-2029).

The increasing demand for cloud computing among SMEs, government regulations for local data security, and growing investment by domestic players are some of the major factors driving the demand for data centers in the country.

Under Construction IT Load Capacity: The upcoming IT load capacity of the Dutch data center market is expected to reach 1,185 MW by 2029.

Under Construction Raised Floor Space: The country's construction of raised floor area is expected to increase more than 5.1 million sq. ft by 2029.

Planned Racks: The country's total number of racks to be installed is expected to reach 261,880 units by 2029. Amsterdam will likely house the maximum number of racks by 2029.

The increased need for data storage resulted in an upsurge in the number of data centers, and the increased usage of data centers has raised electricity consumption in the country. The country has made clear progress in increasing competition in electricity and natural gas markets. It has reduced the use of fossil fuels and increased the share of renewable energy. The country's economy is also becoming less energy-intensive. Moreover, to further reduce energy consumption, key market players are focusing on introducing efficient power management systems such as PDUs, busways, and UPS for

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the purpose of controlling unnecessary expenditures in data centers, which is expected to increase market growth.

Planned Submarine Cables: There are close to 5 submarine cable systems connecting the Netherlands, and many are under construction.

Netherlands Data Center Power Market Trends

The IT & Telecom Segment is Expected to Hold a Significant Market Share

The increased adoption of cloud computing services in the country has increased the number of IT infrastructure components. Many technology companies have launched cloud services to support the digital transformation efforts of many enterprises. Moreover, the increased adoption of e-commerce services has facilitated digitization. Such instances are increasing the demand for the data center power market during the forecast period.

The data center market is achieving new records due to the increasing penetration of connected devices, including consolidation and the emergence of new players. Such cases will have a positive impact on market growth.

The number of servers in data centers is likely to increase due to the growing demand for these digital services and the adoption of digital connectivity by end users, which requires more data storage. This situation corresponds to increased demand for data centers. Increasing data centers necessitates increasing the use of systems for power facilitation.

The adoption rate of smartphones has been rising as more than half of Dutch adults use some form of social media, and nearly 90% of them use the internet. The two social networking sites, LinkedIn and Twitter, have the highest internet penetration rates in the Netherlands. This indicates that the demand for data centers is increasing.

The number of 5G mobile connections has increased significantly, which means that the penetration rate of 5G mobile in the country is high. Increased data traffic will further increase the demand for DC facilities, boosting the growth of the market.

PDUs are Expected to Hold a Significant Share in the Market

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The growing focus on digitization, internet penetration, and e-commerce across the country has created a need for storage capacity, resulting in huge demand for data centers and increased power consumption. The growing need for data storage is leading to the adoption of intelligent power distribution units (PDUs) to optimize power consumption in data centers rather than simple multi-socket rack installations and servers and networking devices.

PDUs are essential components of data center and server room infrastructure, allowing real-time monitoring of power consumption, voltage, current, and other electrical parameters. This data allows administrators to make informed decisions about power allocation and capacity planning.

By tracking power consumption trends, managers can plan for future growth and avoid exceeding power capacity, preventing overloads that can lead to equipment failure. It also helps identify inefficiencies and optimize energy consumption. This eliminates unnecessary power consumption, lowers costs, and reduces your environmental footprint. Additionally, administrators can access and control it remotely, reducing the need for physical presence and minimizing disruption to operations.

Industrial end users are gravitating toward cloud platforms such as Microsoft Azure, Google Cloud, and AWS. Growth trends indicate rapid adoption of cloud-based applications by end users. This opens the opportunity for intelligent and compact PDUs that can meet the increasing power requirements to operate such platforms.

With the growth of massive data centers in the country, the need for PDUs is also increasing. Faster internet speeds and the associated proliferation of accessible devices play an important role in determining and estimating national data consumption. The number of 5G mobile connections has increased significantly, which means that the penetration rate of 5G mobile in the country is high. An increase in data traffic will further increase the demand for DC facilities with intelligent PDU systems.

Netherlands Data Center Power Industry Overview

The data center power market is moderately concentrated due to high initial investments and low availability of resources. It is dominated by a few major players like Schneider Electric SE, Fujitsu Ltd, Cisco Technology Inc., Eaton Corporation, and ABB

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Ltd. These major players, with a prominent share of the market, focus on expanding their customer base across foreign countries. These companies leverage strategic collaborative initiatives to increase their market share and profitability. However, with technological advancements and product innovations, mid-size to smaller companies can increase their market presence by securing new contracts and tapping new markets.

March 2024: Schneider Electric announced its expansion of US manufacturing facilities at two locations to support critical infrastructure of data centers and other industries. The company plans to manufacture electrical switchgear and medium-voltage power distribution products at both locations.

February 2024: Enlogic, a significant provider of power products, announced the addition of two new PDUs to its extensive iPDU product line: horizontal and vertical high AMP PDUs. They include a high amp vertical PDU with combination and locking combination outlet and a Horizontal high amp PDU (100/125A) with combination and locking combination outlets of C13/C15 and C13/C15/C19/C21, offering versatility and flexibility.

Additional Benefits:

The market estimate (ME) sheet in Excel format

3 months of analyst support

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