Offsite Data Center Power Infrastructure Market by Component (Solutions and Services), Vertical (BFSI, Media & Entertainment, Government & Defence, Healthcare, Manufacturing, IT & Telecom, Retail) and Region - Global Forecast to 2030

Market Report | 2024-08-07 | 286 pages | MarketsandMarkets

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Report description:

The global offsite data center power infrastructure market is on a trajectory to reach USD 35.4 billion by 2030, a notable increase from the estimated USD 13.4 billion in 2024, with a steady CAGR of 17.6% spanning the period from 2024 to 2030. The worldwide offsite data center power infrastructure market is anticipated to encounter major expansion driven by a number of forthcoming trends. With the mounting apprehensions about the environment and regulations, one of the key trends is the escalating acceptance of green technologies. To lessen the quantity of carbon emissions, data centers are now focusing on green technologies like advanced cooling systems and green energy systems containing renewable energy. There is also a new trend towards battery storage and fuel cell solutions forward as a reliable backup power option and efficiency advancement.
Another key trend is the increased reliance on edge computing and 5G technologies. With the increase in proliferation of IoT technologies and the rising demand for data services, edge offsite data centers need to support latency-free applications. Therefore, there is an increase in the investments which is driving the market growth. In addition, hyper-scale data center expansion by large cloud service providers is set to accelerate, requiring robust capacity infrastructure to support their large operations and greater density as the market grows and strategic partnerships are expected and integration between core businesses will increase technical capacity and market reach. It is fed by other competitors in the field.
"Government & Defence segment, by Vertical, to hold third-largest market share from 2024 to 2030."
Government and Defense agencies hold the third largest market share in the global on-premises data center power infrastructure market due to the increasing need for secure, accessible data storage and access to and convenience therefore Government and security agencies sensitive and confidential Handle multiple demands robust infrastructure to ensure data integrity and protect

from cyber threats Furthermore, thanks to advanced technologies such as AI, big data analytics and Due to the use of IoT, increasingly digitized government services and security operations require appropriate power systems This segment of uninterrupted power supply, disaster recovery solutions , requirement of regulatory standards a intensity and compliance are driving the adoption of advanced offsite data center and power infrastructure solutions.

"The North American offsite data center power infrastructure market is poised to hold the largest market share throughout the forecast period"

North America holds the largest market share in the global offsite data center power infrastructure market, owing to its well-established technology infrastructure, large investments in data center development, and strong digital infrastructure and technology Region benefits from a mature market driven by high demand for data processing and storage by advanced industries including finance and healthcare, as well as favorable operating conditions, stable economic conditions and availability of large data center operators and technology professionals there And the company's focus continues to make significant improvements to offsite data center power infrastructure .

Breakdown of Primaries:

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

By Company Type: Tier 1-30%, Tier 2-55%, and Tier 3-15%

By Designation: C-Level-30%, D-Level-20%, and Others-50%

By Region: North America-18%, Europe-8%, Asia Pacific-60%, South America-4% and

 Middle East & Africa-10%.

Note: "Others" include sales managers, engineers, and regional managers

The tiers of the companies are defined based on their total revenue as of 2021: Tier 1: >USD 1 billion, Tier 2: USD 500 million-1 billion, and Tier 3: <USD 500 million.

The offsite data center power infrastructure market is predominantly governed by well-established global leaders. Notable players in the offsite data center power infrastructure market include ABB (Switzerland), Schneider Electric (France), Eaton (Ireland), Vertiv (US), Huawei Digital Power Technologies Co., Ltd. (China), Comfort Systems USA (UK), Johnson Controls (US), Yondr (Netherlands), Hubbell (US), Modubuild (Ireland), Altron A.S. (Czech Republic), InnovIT AG (Germany), MAVAB (Sweden), Rittal (Germany)and Delta Electronics, Inc. (Norway).

Research Coverage:

The report provides a comprehensive definition, description, and forecast of the offsite data center power infrastructure market based on various parameters, including offerings (Solutions, Services), Vertical (BFSI, IT & Telecom, Media & Entertainment, Healthcare, Government & Defense, Retail, Manufacturing, Others), and region (Asia Pacific, North America, Europe, Middle East & Africa, South America). The report also offers a thorough qualitative and quantitative analysis of the offsite data center power infrastructure, encompassing a comprehensive examination of the key market drivers, limitations, opportunities, and challenges. Additionally, it covers critical facets of the market, such as an assessment of the competitive landscape, an analysis of market dynamics, value-based market estimates, and future trends in the offsite data center power infrastructure market. The report provides investment and funding information of key players in the offsite data center power infrastructure market.

Key Benefits of Buying the Report

The report is thoughtfully designed to benefit both established industry leaders and newcomers in the offsite data center power infrastructure market. It provides reliable revenue forecasts for the entire market as well as its individual sub-segments. This data is a valuable resource for stakeholders, enabling them to gain a comprehensive understanding of the competitive landscape and formulate effective market strategies for their businesses. Furthermore, the report serves as a channel for stakeholders to grasp the current state of the market, providing essential insights into market drivers, limitations, challenges, and growth opportunities. By incorporating these insights, stakeholders can make well-informed decisions and stay informed about the constantly evolving dynamics of the offsite data center power infrastructure industry.

-Analysis of key drivers: (Rising demand for data storage and processing, Expansion of cloud services, Growth of Colocation Services), restraints (High initial capital expenditure, Energy consumption and operational costs, Security concerns related to offsite data centers), opportunities (Adoption of renewable energy solutions, Technological advancements in energy efficiency, Emerging markets in developing nations), and challenges (Regulatory and compliance challenges, Environmental concerns related to offsite data centers) influencing the growth of the offsite data center power infrastructure market.

-Product Development/ Innovation: The offsite data center power infrastructure is in a constant state of evolution, with a primary focus on acquisitions, partnerships, and collaborations. Leading industry players like ABB, Schneider Electric, Eaton, and Vertiv are at the forefront of advancing their product offerings to address shifting demands and environmental considerations.

-Market Development: Market growth in the offsite data center power infrastructure sector is characterized by significant growth in modular power solutions, greater focus on energy efficiency, integration of renewable energy sources , driven by big data and analytics increasing demand for scalable and flexible power infrastructure to support data center proliferation drives market expansion Strategic collaborations, mergers and acquisitions further facilitate the growth and development of this market. There is a growing emphasis on sustainability and technological advancements pertaining to the offerings in the offsite data center power infrastructure market.

-Market Diversification: The Offsite Data Center Power Infrastructure market has a wide range of power solutions and specific services to suit the needs of various industries such as BFSI, IT & Telecommunication, and Healthcare Key players in this market are new -age power modules, Renewable Energy -In addition to focusing on diversifying their manufacturing processes by adopting integration strategies, and improving capacity utilization through data analytics and automation technologies, companies focus on developing their geographic footprint on various types. They focus on market expansion through strategies such as collaborations, partnerships and acquisitions.

-Competitive Assessment: A comprehensive evaluation has been conducted to scrutinize the market presence, growth strategies, and service offerings of key players in the offsite data center power infrastructure market. These prominent companies include ABB (Switzerland), Schneider Electric (France), Eaton (Ireland), Vertiv (US), Huawei Digital Power Technologies Co., Ltd. (China), Comfort Systems USA (UK), Johnson Controls (US), Yondr (Netherlands), Hubbell (US), Modubuild (Ireland), Altron A.S. (Czech Republic), InnovIT AG (Germany), MAVAB (Sweden), Rittal (Germany), and Delta Electronics, Inc. (Norway). This analysis provides in-depth insights into the competitive positions of these major players, their approaches to driving market growth, and the range of services they offer within the offsite data center power infrastructure market.

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