

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

<https://marketpublishers.com/r/O51E7460FBC1EN.html>

Date: August 2024

Pages: 286

Price: US\$ 3,217.50 (Single User License)

ID: O51E7460FBC1EN

Abstracts

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:

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