

Data Center Generator Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

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Abstracts

The global data center generator market size reached US\$ 7.0 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 9.9 Billion by 2028, exhibiting a growth rate (CAGR) of 5.95% during 2022-2028.

Data center generator is a backup power supply source used in data centers during power interruptions. It enables them to operate in the event of a prolonged power outage that results in start-up issues, system downtime, and loss of current or ongoing information. It assists in avoiding anomalies and errors and offering 100% up-time and reliability, and high-power density in a cost-effective manner. As a result, it is widely installed across facilities to ensure that it operates irrespective of incoming power supply from utility grids.

Data Center Generator Market Trends:

There is currently an increase in the demand for edge data centers on account of the commercialization of 5G technology and the rising adoption of the Internet of Things (IoT). This has led numerous colocation service providers to increase the production of data centers, which represents one of the key factors driving the market. Besides this, there is a significant rise in the construction of hyperscale facilities and an increase in the adoption of Diesel Rotary Uninterruptible Power Supply (DRUPS). This, along with the surging electricity prices and taxes and increasing focus of governing agencies of numerous countries to reduce electricity costs and support the utilization of renewable energy sources and power facilities, is strengthening the market growth. Furthermore, leading manufacturers are introducing gas turbines and power modules that offer stable, cost-effective solutions for data centers regular and emergency power needs. Moreover, these turbines provide higher efficiency, and a faster, cleaner, and higher quality power

generation with a relatively smaller footprint. This, coupled with the utilization of biogas, landfill gas, steam, sewage gas, and combustible industrial waste gases, is increasing the overall product sales.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global data center generator market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on product, capacity and tier.

Breakup by Product:

- Diesel
- Natural Gas
- Others

Breakup by Capacity:

- Less than 1MW
- 1MW–2MW
- Greater than 2MW

Breakup by Tier:

- Tier I and II
- Tier III
- Tier IV

Breakup by Region:

- North America
 - United States
 - Canada
- Asia-Pacific
 - China
 - Japan
 - India
 - South Korea
- Australia

Indonesia
Others
Europe
Germany
France
United Kingdom
Italy
Spain
Russia
Others
Latin America
Brazil
Mexico
Others
Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being ABB Ltd, Atlas Copco (India) Ltd., Caterpillar Inc., Cummins Inc., Deutz AG, Generac Power Systems Inc., HITEC Power Protection, Kirloskar Oil Engines Limited, Kohler Co., Langley Holdings plc, Mitsubishi Motors Corporation, Rolls-Royce plc and Yanmar Holdings Co. Ltd.

Key Questions Answered in This Report:

How has the global data center generator market performed so far and how will it perform in the coming years?

What has been the impact of COVID-19 on the global data center generator market?

What are the key regional markets?

What is the breakup of the market based on the product?

What is the breakup of the market based on the capacity?

What is the breakup of the market based on the tier?

What are the various stages in the value chain of the industry?

What are the key driving factors and challenges in the industry?

What is the structure of the global data center generator market and who are the key players?

What is the degree of competition in the industry?

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