

Global Diesel Generator for Data Center Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Diesel Generator for Data Center market size is expected to reach \$ 24158 million by 2032, rising at a market growth of 16.1% CAGR during the forecast period (2026-2032).

Diesel generators for data centers are backup power equipment designed specifically for data centers. They are mainly used to provide emergency power protection when the power grid is interrupted or fails to ensure the continuous operation of servers, storage devices and other key equipment in the data center. Diesel generators generate electricity by burning diesel and output it to the power system of the data center to maintain the normal operation of the equipment and prevent data loss or system shutdown due to power outages. In 2025, global Diesel Generator for Data Center production reached approximately 21893 units, with an average global market price of around 404.7 K USD/unit. The production capacity for Diesel Generator for Data Center in 2025 was approximately 25000 units. The typical gross profit margin for Diesel Generator for Data Center between 10% and 20%.

The Diesel Generator for Data Center market is driven by the rapid expansion of cloud computing, AI data centers, and increasing demand for uninterrupted power supply. As data centers grow in scale and power density, the need for high-capacity, reliable backup solutions continues to rise, particularly in hyperscale and colocation facilities. The market is also evolving toward higher efficiency, lower emissions, and integration with hybrid energy systems such as battery storage and renewable energy, while regulatory pressure and sustainability goals are encouraging the adoption of cleaner and more advanced generator technologies.

This report studies the global Diesel Generator for Data Center production, demand,

key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Diesel Generator for Data Center and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Diesel Generator for Data Center that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Diesel Generator for Data Center total production and demand, 2021-2032, (Units)

Global Diesel Generator for Data Center total production value, 2021-2032, (USD Million)

Global Diesel Generator for Data Center production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Units), (based on production site)

Global Diesel Generator for Data Center consumption by region & country, CAGR, 2021-2032 & (Units)

U.S. VS China: Diesel Generator for Data Center domestic production, consumption, key domestic manufacturers and share

Global Diesel Generator for Data Center production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Units)

Global Diesel Generator for Data Center production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Units)

Global Diesel Generator for Data Center production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Units)

This report profiles key players in the global Diesel Generator for Data Center market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Caterpillar, Cummins, MTU (Rolls-Royce), Mitsubishi Heavy Industries, Weichai Power, Rehlko, Guangxi Yuchai, Wartsila, Generac, Tellhow Sci-Tech, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Diesel Generator for Data Center market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Units) and average price (K US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Diesel Generator for Data Center Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Diesel Generator for Data Center Market, Segmentation by Type:

12-16 Cylinders

>16 Cylinders

Global Diesel Generator for Data Center Market, Segmentation by Cylinder Bore:

Cylinder Bore:

Cylinder Bore: 130?170 mm

Cylinder Bore: > 170 mm

Global Diesel Generator for Data Center Market, Segmentation by Power:

Power:

Power: 1000KW-3000KW

Power: > 3000KW

Global Diesel Generator for Data Center Market, Segmentation by Application:

Cloud Data Centers

AI Data Centers / AI Servers

High-Performance Computing (HPC)

Enterprise Data Centers

Others

Companies Profiled:

Caterpillar

Cummins

MTU (Rolls-Royce)

Mitsubishi Heavy Industries

Weichai Power

Rehiko

Guangxi Yuchai

Wartsila

Generac

Tellhow Sci-Tech

Shanghai Cooltech POWER

Himoinsa

Shanghai New Power Automotive Technology

Genesal Energy

Power Hf

Key Questions Answered:

1. How big is the global Diesel Generator for Data Center market?
2. What is the demand of the global Diesel Generator for Data Center market?
3. What is the year over year growth of the global Diesel Generator for Data Center market?
4. What is the production and production value of the global Diesel Generator for Data Center market?
5. Who are the key producers in the global Diesel Generator for Data Center market?
6. What are the growth factors driving the market demand?

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