

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

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Abstracts

The global Data Center Generator Sets market size is expected to reach \$ 35417 million by 2032, rising at a market growth of 14.1% CAGR during the forecast period (2026-2032).

A Data Center Generator Set is a backup power system specifically designed to supply electricity to data centers during power outages or grid instability. These generator sets typically consist of diesel or gas engines coupled with alternators, control panels, and fuel systems. They ensure uninterrupted operation of critical IT infrastructure, protecting servers, storage, and networking equipment from downtime, which is essential for maintaining business continuity and data integrity. In 2025, global Data Center Generator Set production reached approximately 27,369 units, with an average global market price of around 404.7 k USD/unit. The production capacity for Data Center Generator Set in 2025 was approximately 30000 units. The typical gross profit margin for Data Center Generator Set between 10% and 20%.

This report studies the global Data Center Generator Sets production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Data Center Generator Sets 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 Data Center Generator Sets that contribute to its increasing demand across many markets.

Highlights and key features of the study

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

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

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

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

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

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

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

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

This report profiles key players in the global Data Center Generator Sets 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, Rehiko, 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 Data Center Generator Sets 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 Data Center Generator Sets Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Data Center Generator Sets Market, Segmentation by Type:

Cylinder Bore:

Cylinder Bore: 130?170 mm

Cylinder Bore: > 170 mm

Global Data Center Generator Sets Market, Segmentation by Cylinders:

12-16 Cylinders

>16 Cylinders

Global Data Center Generator Sets Market, Segmentation by Power Generation Type:

Diesel Generator

Gas Generator

Global Data Center Generator Sets Market, Segmentation by Application:

Cloud Data Centers

AI Data Centers/AI Servers

HPC Data Centers

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

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