

Global Data Center Generator Sets Market Growth 2026-2032

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Abstracts

The global Data Center Generator Sets market size is predicted to grow from US\$ 10834 million in 2025 to US\$ 35259 million in 2032; it is expected to grow at a CAGR of 15.0% from 2026 to 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%.

United States market for Data Center Generator Sets is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

China market for Data Center Generator Sets is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Europe market for Data Center Generator Sets is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Global key Data Center Generator Sets players cover Caterpillar, Cummins, MTU (Rolls-Royce), Mitsubishi Heavy Industries, Weichai Power, etc. In terms of revenue,

the global two largest companies occupied for a share nearly % in 2025.

LP Information, Inc. (LPI) ' newest research report, the 'Data Center Generator Sets Industry Forecast' looks at past sales and reviews total world Data Center Generator Sets sales in 2025, providing a comprehensive analysis by region and market sector of projected Data Center Generator Sets sales for 2026 through 2032. With Data Center Generator Sets sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Data Center Generator Sets industry.

This Insight Report provides a comprehensive analysis of the global Data Center Generator Sets landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Data Center Generator Sets portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Data Center Generator Sets market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Data Center Generator Sets and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Data Center Generator Sets.

This report presents a comprehensive overview, market shares, and growth opportunities of Data Center Generator Sets market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Cylinder Bore:

Cylinder Bore: 130?170 mm

Cylinder Bore: > 170 mm

Segmentation by Cylinders:

12-16 Cylinders

>16 Cylinders

Segmentation by Power Generation Type:

Diesel Generator

Gas Generator

Segmentation by Application:

Cloud Data Centers

AI Data Centers/AI Servers

HPC Data Centers

Enterprise Data Centers

Others

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its

market penetration.

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 Addressed in this Report

What is the 10-year outlook for the global Data Center Generator Sets market?

What factors are driving Data Center Generator Sets market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Data Center Generator Sets market opportunities vary by end market size?

How does Data Center Generator Sets break out by Type, by Application?

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