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Global Data Center Backup Power Diesel Generators Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Data Center Backup Power Diesel Generators market size is expected to reach $ 63347 million by 2032, rising at a market growth of 9.8% CAGR during the forecast period (2026-2032).

Data Center Backup Power Diesel Generators are diesel-powered generator systems specifically designed to provide emergency backup electricity for data centers. They automatically start and supply continuous power to critical IT infrastructure, including servers, storage systems, networking equipment, and cooling systems, when the utility grid fails or power quality becomes unstable. These systems typically consist of a diesel engine, alternator, automatic transfer switch (ATS), control system, fuel system, and cooling system, offering rapid response, high reliability, and extended operating capability. They are widely deployed in Tier III and Tier IV data centers, hyperscale cloud facilities, AI data centers, and enterprise data centers to ensure uninterrupted operation and business continuity.

In 2025, global Data Center Backup Power Diesel Generators production reached approximately 40000 unit, and average price 800000 USD/unit, gross margin 30%.

Report Scope

This report studies the global Data Center Backup Power Diesel Generators production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Data Center Backup Power Diesel Generators and provides market size (US$ million) and

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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 Backup Power Diesel Generators that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Data Center Backup Power Diesel Generators total production and demand, 2021-2032, (K Units)

Global Data Center Backup Power Diesel Generators total production value, 2021-2032, (USD Million)

Global Data Center Backup Power Diesel Generators production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)

Global Data Center Backup Power Diesel Generators consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: Data Center Backup Power Diesel Generators domestic production, consumption, key domestic manufacturers and share

Global Data Center Backup Power Diesel Generators production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)

Global Data Center Backup Power Diesel Generators production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global Data Center Backup Power Diesel Generators production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global Data Center Backup Power Diesel Generators 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,

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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 Data Center Backup Power Diesel Generators market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US$ Millions), volume (production, consumption) & (K Units) and average price (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 Backup Power Diesel Generators Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

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Market Segmentation

Global Data Center Backup Power Diesel Generators Market, Segmentation by Type:

High-Speed Diesel Engine

Medium-Speed Diesel Engine

Global Data Center Backup Power Diesel Generators Market, Segmentation by Engine Type:

High-Speed Diesel Engine

Medium-Speed Diesel Engine

Low-Speed Diesel Engine

Global Data Center Backup Power Diesel Generators Market, Segmentation by Application:

Hyperscale Data Centers

Colocation Data Centers

Enterprise Data Centers

Edge Data Centers

Companies Profiled:

Caterpillar

Cummins

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MTU (Rolls?Royce)

Mitsubishi Heavy Industries

Weichai Power

Rehlko

Guangxi Yuchai

Wartsila

Generac

Tellhow Sci-Tech

Shanghai Cooltech POWER

Himoinsa

Shanghai New Power Automotive Technology

Genesal Energy

Key Questions Answered

1. How big is the global Data Center Backup Power Diesel Generators market?
2. What is the demand of the global Data Center Backup Power Diesel Generators market?
3. What is the year over year growth of the global Data Center Backup Power Diesel Generators market?
4. What is the total value of the global Data Center Backup Power Diesel Generators market?
5. Who are the Major Players in the global Data Center Backup Power Diesel Generators market?
6. What are the growth factors driving the market demand?

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