

# Global Backup Generators for Data Centers Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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## Abstracts

According to our (Global Info Research) latest study, the global Backup Generators for Data Centers market size was valued at US\$ 11396 million in 2025 and is forecast to a readjusted size of US\$ 35417 million by 2032 with a CAGR of 14.1% during review period.

Backup generators for data centers are specialized power systems that provide emergency electricity when the main utility power fails. They ensure uninterrupted operation of servers, networking equipment, and critical infrastructure, protecting data integrity and maintaining continuous business operations. These generators are typically diesel, natural gas, or dual-fuel powered, and are configured with automatic transfer switches to activate immediately during a power outage. In 2025, global Backup Generators for Data Centers production reached approximately 27,369 units, with an average global market price of around 404.7 k USD/unit. The production capacity for Backup Generators for Data Centers in 2025 was approximately 30000 units. The typical gross profit margin for Backup Generators for Data Centers between 10% and 20%.

The backup generator market for data centers is growing steadily due to the increasing demand for uninterrupted power supply in cloud, AI, HPC, and enterprise facilities. Rising data traffic, expanding hyperscale cloud infrastructures, and stringent uptime requirements drive investments in high-capacity diesel, gas, and dual-fuel generators. The market is characterized by strong demand in North America, China, and Europe, with AI data centers emerging as the fastest-growing segment due to their high power density and critical reliability needs.

This report is a detailed and comprehensive analysis for global Backup Generators for Data Centers market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

### **Key Features:**

Global Backup Generators for Data Centers market size and forecasts, in consumption value (\$ Million), sales quantity (Units), and average selling prices (K US\$/Unit), 2021-2032

Global Backup Generators for Data Centers market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Units), and average selling prices (K US\$/Unit), 2021-2032

Global Backup Generators for Data Centers market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Units), and average selling prices (K US\$/Unit), 2021-2032

Global Backup Generators for Data Centers market shares of main players, shipments in revenue (\$ Million), sales quantity (Units), and ASP (K US\$/Unit), 2021-2026

### **The Primary Objectives in This Report Are:**

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Backup Generators for Data Centers

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Backup Generators for Data Centers market based on the following parameters - company overview, sales quantity, revenue, 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.

## **Market Segmentation**

Backup Generators for Data Centers market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

### Market segment by Type

Cylinder Bore:

Cylinder Bore: 130-170 mm

Cylinder Bore: > 170 mm

### Market segment by Cylinders

12-16 Cylinders

>16 Cylinders

### Market segment by Power Generation Type

Diesel Generator

Gas Generator

### Market segment by Application

Cloud Data Centers

AI Data Centers/AI Servers

HPC Data Centers

Enterprise Data Centers

Others

#### Major players covered

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

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

**The content of the study subjects, includes a total of 15 chapters:**

Chapter 1, to describe Backup Generators for Data Centers product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Backup Generators for Data Centers, with price, sales quantity, revenue, and global market share of Backup Generators for Data Centers from 2021 to 2026.

Chapter 3, the Backup Generators for Data Centers competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Backup Generators for Data Centers breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026. and Backup Generators for Data Centers market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Backup Generators for Data Centers.

Chapter 14 and 15, to describe Backup Generators for Data Centers sales channel, distributors, customers, research findings and conclusion.

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