

Global Data Center Generator Sets 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 Data Center Generator Sets 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.

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 is a detailed and comprehensive analysis for global Data Center Generator Sets 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 Data Center Generator Sets market size and forecasts, in consumption value (\$ Million), sales quantity (Units), and average selling prices (K US\$/Unit), 2021-2032

Global Data Center Generator Sets 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 Data Center Generator Sets 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 Data Center Generator Sets 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 Data Center Generator Sets

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 Data Center Generator Sets 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

Data Center Generator Sets 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

Rehko

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 Data Center Generator Sets product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Data Center Generator Sets, with price, sales quantity, revenue, and global market share of Data Center Generator Sets from 2021 to 2026.

Chapter 3, the Data Center Generator Sets competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Data Center Generator Sets 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 Data Center Generator Sets 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 Data Center Generator Sets.

Chapter 14 and 15, to describe Data Center Generator Sets sales channel, distributors, customers, research findings and conclusion.

Contents

1 MARKET OVERVIEW

1.1 Product Overview and Scope

1.2 Market Estimation Caveats and Base Year

1.3 Market Analysis by Type

1.3.1 Overview: Global Data Center Generator Sets Consumption Value by Type:
2021 Versus 2025 Versus 2032

1.3.2 Cylinder Bore: 130-170 mm

1.3.3 Cylinder Bore: > 170 mm

1.4 Market Analysis by Cylinders

1.4.1 Overview: Global Data Center Generator Sets Consumption Value by Cylinders:
2021 Versus 2025 Versus 2032

1.4.2 12-16 Cylinders

1.4.3 >16 Cylinders

1.5 Market Analysis by Power Generation Type

1.5.1 Overview: Global Data Center Generator Sets Consumption Value by Power
Generation Type: 2021 Versus 2025 Versus 2032

1.5.2 Diesel Generator

1.5.3 Gas Generator

1.6 Market Analysis by Application

1.6.1 Overview: Global Data Center Generator Sets Consumption Value by
Application: 2021 Versus 2025 Versus 2032

1.6.2 Cloud Data Centers

1.6.3 AI Data Centers/AI Servers

1.6.4 HPC Data Centers

1.6.5 Enterprise Data Centers

1.6.6 Others

1.7 Global Data Center Generator Sets Market Size & Forecast

1.7.1 Global Data Center Generator Sets Consumption Value (2021 & 2025 & 2032)

1.7.2 Global Data Center Generator Sets Sales Quantity (2021-2032)

1.7.3 Global Data Center Generator Sets Average Price (2021-2032)

2 MANUFACTURERS PROFILES

2.1 Caterpillar

2.1.1 Caterpillar Details

2.1.2 Caterpillar Major Business

- 2.1.3 Caterpillar Data Center Generator Sets Product and Services
- 2.1.4 Caterpillar Data Center Generator Sets Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
- 2.1.5 Caterpillar Recent Developments/Updates
- 2.2 Cummins
 - 2.2.1 Cummins Details
 - 2.2.2 Cummins Major Business
 - 2.2.3 Cummins Data Center Generator Sets Product and Services
 - 2.2.4 Cummins Data Center Generator Sets Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.2.5 Cummins Recent Developments/Updates
- 2.3 MTU (Rolls?Royce)
 - 2.3.1 MTU (Rolls?Royce) Details
 - 2.3.2 MTU (Rolls?Royce) Major Business
 - 2.3.3 MTU (Rolls?Royce) Data Center Generator Sets Product and Services
 - 2.3.4 MTU (Rolls?Royce) Data Center Generator Sets Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.3.5 MTU (Rolls?Royce) Recent Developments/Updates
- 2.4 Mitsubishi Heavy Industries
 - 2.4.1 Mitsubishi Heavy Industries Details
 - 2.4.2 Mitsubishi Heavy Industries Major Business
 - 2.4.3 Mitsubishi Heavy Industries Data Center Generator Sets Product and Services
 - 2.4.4 Mitsubishi Heavy Industries Data Center Generator Sets Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.4.5 Mitsubishi Heavy Industries Recent Developments/Updates
- 2.5 Weichai Power
 - 2.5.1 Weichai Power Details
 - 2.5.2 Weichai Power Major Business
 - 2.5.3 Weichai Power Data Center Generator Sets Product and Services
 - 2.5.4 Weichai Power Data Center Generator Sets Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.5.5 Weichai Power Recent Developments/Updates
- 2.6 Rehlko
 - 2.6.1 Rehlko Details
 - 2.6.2 Rehlko Major Business
 - 2.6.3 Rehlko Data Center Generator Sets Product and Services
 - 2.6.4 Rehlko Data Center Generator Sets Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.6.5 Rehlko Recent Developments/Updates

2.7 Guangxi Yuchai

2.7.1 Guangxi Yuchai Details

2.7.2 Guangxi Yuchai Major Business

2.7.3 Guangxi Yuchai Data Center Generator Sets Product and Services

2.7.4 Guangxi Yuchai Data Center Generator Sets Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.7.5 Guangxi Yuchai Recent Developments/Updates

2.8 Wartsila

2.8.1 Wartsila Details

2.8.2 Wartsila Major Business

2.8.3 Wartsila Data Center Generator Sets Product and Services

2.8.4 Wartsila Data Center Generator Sets Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.8.5 Wartsila Recent Developments/Updates

2.9 Generac

2.9.1 Generac Details

2.9.2 Generac Major Business

2.9.3 Generac Data Center Generator Sets Product and Services

2.9.4 Generac Data Center Generator Sets Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.9.5 Generac Recent Developments/Updates

2.10 Tellhow Sci-Tech

2.10.1 Tellhow Sci-Tech Details

2.10.2 Tellhow Sci-Tech Major Business

2.10.3 Tellhow Sci-Tech Data Center Generator Sets Product and Services

2.10.4 Tellhow Sci-Tech Data Center Generator Sets Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.10.5 Tellhow Sci-Tech Recent Developments/Updates

2.11 Shanghai Cooltech POWER

2.11.1 Shanghai Cooltech POWER Details

2.11.2 Shanghai Cooltech POWER Major Business

2.11.3 Shanghai Cooltech POWER Data Center Generator Sets Product and Services

2.11.4 Shanghai Cooltech POWER Data Center Generator Sets Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.11.5 Shanghai Cooltech POWER Recent Developments/Updates

2.12 Himoina

2.12.1 Himoina Details

2.12.2 Himoina Major Business

2.12.3 Himoina Data Center Generator Sets Product and Services

2.12.4 Himoina Data Center Generator Sets Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.12.5 Himoina Recent Developments/Updates

2.13 Shanghai New Power Automotive Technology

2.13.1 Shanghai New Power Automotive Technology Details

2.13.2 Shanghai New Power Automotive Technology Major Business

2.13.3 Shanghai New Power Automotive Technology Data Center Generator Sets Product and Services

2.13.4 Shanghai New Power Automotive Technology Data Center Generator Sets Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.13.5 Shanghai New Power Automotive Technology Recent Developments/Updates

2.14 Genesal Energy

2.14.1 Genesal Energy Details

2.14.2 Genesal Energy Major Business

2.14.3 Genesal Energy Data Center Generator Sets Product and Services

2.14.4 Genesal Energy Data Center Generator Sets Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.14.5 Genesal Energy Recent Developments/Updates

2.15 Power Hf

2.15.1 Power Hf Details

2.15.2 Power Hf Major Business

2.15.3 Power Hf Data Center Generator Sets Product and Services

2.15.4 Power Hf Data Center Generator Sets Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.15.5 Power Hf Recent Developments/Updates

3 COMPETITIVE ENVIRONMENT: DATA CENTER GENERATOR SETS BY MANUFACTURER

3.1 Global Data Center Generator Sets Sales Quantity by Manufacturer (2021-2026)

3.2 Global Data Center Generator Sets Revenue by Manufacturer (2021-2026)

3.3 Global Data Center Generator Sets Average Price by Manufacturer (2021-2026)

3.4 Market Share Analysis (2025)

3.4.1 Producer Shipments of Data Center Generator Sets by Manufacturer Revenue (\$MM) and Market Share (%): 2025

3.4.2 Top 3 Data Center Generator Sets Manufacturer Market Share in 2025

3.4.3 Top 6 Data Center Generator Sets Manufacturer Market Share in 2025

3.5 Data Center Generator Sets Market: Overall Company Footprint Analysis

3.5.1 Data Center Generator Sets Market: Region Footprint

- 3.5.2 Data Center Generator Sets Market: Company Product Type Footprint
- 3.5.3 Data Center Generator Sets Market: Company Product Application Footprint
- 3.6 New Market Entrants and Barriers to Market Entry
- 3.7 Mergers, Acquisition, Agreements, and Collaborations

4 CONSUMPTION ANALYSIS BY REGION

- 4.1 Global Data Center Generator Sets Market Size by Region
 - 4.1.1 Global Data Center Generator Sets Sales Quantity by Region (2021-2032)
 - 4.1.2 Global Data Center Generator Sets Consumption Value by Region (2021-2032)
 - 4.1.3 Global Data Center Generator Sets Average Price by Region (2021-2032)
- 4.2 North America Data Center Generator Sets Consumption Value (2021-2032)
- 4.3 Europe Data Center Generator Sets Consumption Value (2021-2032)
- 4.4 Asia-Pacific Data Center Generator Sets Consumption Value (2021-2032)
- 4.5 South America Data Center Generator Sets Consumption Value (2021-2032)
- 4.6 Middle East & Africa Data Center Generator Sets Consumption Value (2021-2032)

5 MARKET SEGMENT BY TYPE

- 5.1 Global Data Center Generator Sets Sales Quantity by Type (2021-2032)
- 5.2 Global Data Center Generator Sets Consumption Value by Type (2021-2032)
- 5.3 Global Data Center Generator Sets Average Price by Type (2021-2032)

6 MARKET SEGMENT BY APPLICATION

- 6.1 Global Data Center Generator Sets Sales Quantity by Application (2021-2032)
- 6.2 Global Data Center Generator Sets Consumption Value by Application (2021-2032)
- 6.3 Global Data Center Generator Sets Average Price by Application (2021-2032)

7 NORTH AMERICA

- 7.1 North America Data Center Generator Sets Sales Quantity by Type (2021-2032)
- 7.2 North America Data Center Generator Sets Sales Quantity by Application (2021-2032)
- 7.3 North America Data Center Generator Sets Market Size by Country
 - 7.3.1 North America Data Center Generator Sets Sales Quantity by Country (2021-2032)
 - 7.3.2 North America Data Center Generator Sets Consumption Value by Country (2021-2032)

7.3.3 United States Market Size and Forecast (2021-2032)

7.3.4 Canada Market Size and Forecast (2021-2032)

7.3.5 Mexico Market Size and Forecast (2021-2032)

8 EUROPE

8.1 Europe Data Center Generator Sets Sales Quantity by Type (2021-2032)

8.2 Europe Data Center Generator Sets Sales Quantity by Application (2021-2032)

8.3 Europe Data Center Generator Sets Market Size by Country

8.3.1 Europe Data Center Generator Sets Sales Quantity by Country (2021-2032)

8.3.2 Europe Data Center Generator Sets Consumption Value by Country (2021-2032)

8.3.3 Germany Market Size and Forecast (2021-2032)

8.3.4 France Market Size and Forecast (2021-2032)

8.3.5 United Kingdom Market Size and Forecast (2021-2032)

8.3.6 Russia Market Size and Forecast (2021-2032)

8.3.7 Italy Market Size and Forecast (2021-2032)

9 ASIA-PACIFIC

9.1 Asia-Pacific Data Center Generator Sets Sales Quantity by Type (2021-2032)

9.2 Asia-Pacific Data Center Generator Sets Sales Quantity by Application (2021-2032)

9.3 Asia-Pacific Data Center Generator Sets Market Size by Region

9.3.1 Asia-Pacific Data Center Generator Sets Sales Quantity by Region (2021-2032)

9.3.2 Asia-Pacific Data Center Generator Sets Consumption Value by Region
(2021-2032)

9.3.3 China Market Size and Forecast (2021-2032)

9.3.4 Japan Market Size and Forecast (2021-2032)

9.3.5 South Korea Market Size and Forecast (2021-2032)

9.3.6 India Market Size and Forecast (2021-2032)

9.3.7 Southeast Asia Market Size and Forecast (2021-2032)

9.3.8 Australia Market Size and Forecast (2021-2032)

10 SOUTH AMERICA

10.1 South America Data Center Generator Sets Sales Quantity by Type (2021-2032)

10.2 South America Data Center Generator Sets Sales Quantity by Application
(2021-2032)

10.3 South America Data Center Generator Sets Market Size by Country

10.3.1 South America Data Center Generator Sets Sales Quantity by Country

(2021-2032)

10.3.2 South America Data Center Generator Sets Consumption Value by Country

(2021-2032)

10.3.3 Brazil Market Size and Forecast (2021-2032)

10.3.4 Argentina Market Size and Forecast (2021-2032)

11 MIDDLE EAST & AFRICA

11.1 Middle East & Africa Data Center Generator Sets Sales Quantity by Type

(2021-2032)

11.2 Middle East & Africa Data Center Generator Sets Sales Quantity by Application

(2021-2032)

11.3 Middle East & Africa Data Center Generator Sets Market Size by Country

11.3.1 Middle East & Africa Data Center Generator Sets Sales Quantity by Country

(2021-2032)

11.3.2 Middle East & Africa Data Center Generator Sets Consumption Value by Country (2021-2032)

11.3.3 Turkey Market Size and Forecast (2021-2032)

11.3.4 Egypt Market Size and Forecast (2021-2032)

11.3.5 Saudi Arabia Market Size and Forecast (2021-2032)

11.3.6 South Africa Market Size and Forecast (2021-2032)

12 MARKET DYNAMICS

12.1 Data Center Generator Sets Market Drivers

12.2 Data Center Generator Sets Market Restraints

12.3 Data Center Generator Sets Trends Analysis

12.4 Porters Five Forces Analysis

12.4.1 Threat of New Entrants

12.4.2 Bargaining Power of Suppliers

12.4.3 Bargaining Power of Buyers

12.4.4 Threat of Substitutes

12.4.5 Competitive Rivalry

13 RAW MATERIAL AND INDUSTRY CHAIN

13.1 Raw Material of Data Center Generator Sets and Key Manufacturers

13.2 Manufacturing Costs Percentage of Data Center Generator Sets

13.3 Data Center Generator Sets Production Process

13.4 Industry Value Chain Analysis

14 SHIPMENTS BY DISTRIBUTION CHANNEL

14.1 Sales Channel

14.1.1 Direct to End-User

14.1.2 Distributors

14.2 Data Center Generator Sets Typical Distributors

14.3 Data Center Generator Sets Typical Customers

15 RESEARCH FINDINGS AND CONCLUSION

16 APPENDIX

16.1 Methodology

16.2 Research Process and Data Source

16.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. Global Data Center Generator Sets Consumption Value by Type, (USD Million), 2021 & 2025 & 2032

Table 2. Global Data Center Generator Sets Consumption Value by Cylinders, (USD Million), 2021 & 2025 & 2032

Table 3. Global Data Center Generator Sets Consumption Value by Power Generation Type, (USD Million), 2021 & 2025 & 2032

Table 4. Global Data Center Generator Sets Consumption Value by Application, (USD Million), 2021 & 2025 & 2032

Table 5. Caterpillar Basic Information, Manufacturing Base and Competitors

Table 6. Caterpillar Major Business

Table 7. Caterpillar Data Center Generator Sets Product and Services

Table 8. Caterpillar Data Center Generator Sets Sales Quantity (Units), Average Price (K US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 9. Caterpillar Recent Developments/Updates

Table 10. Cummins Basic Information, Manufacturing Base and Competitors

Table 11. Cummins Major Business

Table 12. Cummins Data Center Generator Sets Product and Services

Table 13. Cummins Data Center Generator Sets Sales Quantity (Units), Average Price (K US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 14. Cummins Recent Developments/Updates

Table 15. MTU (Rolls-Royce) Basic Information, Manufacturing Base and Competitors

Table 16. MTU (Rolls-Royce) Major Business

Table 17. MTU (Rolls-Royce) Data Center Generator Sets Product and Services

Table 18. MTU (Rolls-Royce) Data Center Generator Sets Sales Quantity (Units), Average Price (K US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 19. MTU (Rolls-Royce) Recent Developments/Updates

Table 20. Mitsubishi Heavy Industries Basic Information, Manufacturing Base and Competitors

Table 21. Mitsubishi Heavy Industries Major Business

Table 22. Mitsubishi Heavy Industries Data Center Generator Sets Product and Services

Table 23. Mitsubishi Heavy Industries Data Center Generator Sets Sales Quantity (Units), Average Price (K US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

- Table 24. Mitsubishi Heavy Industries Recent Developments/Updates
- Table 25. Weichai Power Basic Information, Manufacturing Base and Competitors
- Table 26. Weichai Power Major Business
- Table 27. Weichai Power Data Center Generator Sets Product and Services
- Table 28. Weichai Power Data Center Generator Sets Sales Quantity (Units), Average Price (K US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 29. Weichai Power Recent Developments/Updates
- Table 30. Rehlko Basic Information, Manufacturing Base and Competitors
- Table 31. Rehlko Major Business
- Table 32. Rehlko Data Center Generator Sets Product and Services
- Table 33. Rehlko Data Center Generator Sets Sales Quantity (Units), Average Price (K US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 34. Rehlko Recent Developments/Updates
- Table 35. Guangxi Yuchai Basic Information, Manufacturing Base and Competitors
- Table 36. Guangxi Yuchai Major Business
- Table 37. Guangxi Yuchai Data Center Generator Sets Product and Services
- Table 38. Guangxi Yuchai Data Center Generator Sets Sales Quantity (Units), Average Price (K US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 39. Guangxi Yuchai Recent Developments/Updates
- Table 40. Wartsila Basic Information, Manufacturing Base and Competitors
- Table 41. Wartsila Major Business
- Table 42. Wartsila Data Center Generator Sets Product and Services
- Table 43. Wartsila Data Center Generator Sets Sales Quantity (Units), Average Price (K US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 44. Wartsila Recent Developments/Updates
- Table 45. Generac Basic Information, Manufacturing Base and Competitors
- Table 46. Generac Major Business
- Table 47. Generac Data Center Generator Sets Product and Services
- Table 48. Generac Data Center Generator Sets Sales Quantity (Units), Average Price (K US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 49. Generac Recent Developments/Updates
- Table 50. Tellhow Sci-Tech Basic Information, Manufacturing Base and Competitors
- Table 51. Tellhow Sci-Tech Major Business
- Table 52. Tellhow Sci-Tech Data Center Generator Sets Product and Services
- Table 53. Tellhow Sci-Tech Data Center Generator Sets Sales Quantity (Units), Average Price (K US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

- Table 54. Tellhow Sci-Tech Recent Developments/Updates
- Table 55. Shanghai Cooltech POWER Basic Information, Manufacturing Base and Competitors
- Table 56. Shanghai Cooltech POWER Major Business
- Table 57. Shanghai Cooltech POWER Data Center Generator Sets Product and Services
- Table 58. Shanghai Cooltech POWER Data Center Generator Sets Sales Quantity (Units), Average Price (K US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 59. Shanghai Cooltech POWER Recent Developments/Updates
- Table 60. Himoina Basic Information, Manufacturing Base and Competitors
- Table 61. Himoina Major Business
- Table 62. Himoina Data Center Generator Sets Product and Services
- Table 63. Himoina Data Center Generator Sets Sales Quantity (Units), Average Price (K US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 64. Himoina Recent Developments/Updates
- Table 65. Shanghai New Power Automotive Technology Basic Information, Manufacturing Base and Competitors
- Table 66. Shanghai New Power Automotive Technology Major Business
- Table 67. Shanghai New Power Automotive Technology Data Center Generator Sets Product and Services
- Table 68. Shanghai New Power Automotive Technology Data Center Generator Sets Sales Quantity (Units), Average Price (K US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 69. Shanghai New Power Automotive Technology Recent Developments/Updates
- Table 70. Genesal Energy Basic Information, Manufacturing Base and Competitors
- Table 71. Genesal Energy Major Business
- Table 72. Genesal Energy Data Center Generator Sets Product and Services
- Table 73. Genesal Energy Data Center Generator Sets Sales Quantity (Units), Average Price (K US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 74. Genesal Energy Recent Developments/Updates
- Table 75. Power Hf Basic Information, Manufacturing Base and Competitors
- Table 76. Power Hf Major Business
- Table 77. Power Hf Data Center Generator Sets Product and Services
- Table 78. Power Hf Data Center Generator Sets Sales Quantity (Units), Average Price (K US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 79. Power Hf Recent Developments/Updates
- Table 80. Global Data Center Generator Sets Sales Quantity by Manufacturer

(2021-2026) & (Units)

Table 81. Global Data Center Generator Sets Revenue by Manufacturer (2021-2026) & (USD Million)

Table 82. Global Data Center Generator Sets Average Price by Manufacturer (2021-2026) & (K US\$/Unit)

Table 83. Market Position of Manufacturers in Data Center Generator Sets, (Tier 1, Tier 2, and Tier 3), Based on Revenue in 2025

Table 84. Head Office and Data Center Generator Sets Production Site of Key Manufacturer

Table 85. Data Center Generator Sets Market: Company Product Type Footprint

Table 86. Data Center Generator Sets Market: Company Product Application Footprint

Table 87. Data Center Generator Sets New Market Entrants and Barriers to Market Entry

Table 88. Data Center Generator Sets Mergers, Acquisition, Agreements, and Collaborations

Table 89. Global Data Center Generator Sets Consumption Value by Region (2021-2025-2032) & (USD Million) & CAGR

Table 90. Global Data Center Generator Sets Sales Quantity by Region (2021-2026) & (Units)

Table 91. Global Data Center Generator Sets Sales Quantity by Region (2027-2032) & (Units)

Table 92. Global Data Center Generator Sets Consumption Value by Region (2021-2026) & (USD Million)

Table 93. Global Data Center Generator Sets Consumption Value by Region (2027-2032) & (USD Million)

Table 94. Global Data Center Generator Sets Average Price by Region (2021-2026) & (K US\$/Unit)

Table 95. Global Data Center Generator Sets Average Price by Region (2027-2032) & (K US\$/Unit)

Table 96. Global Data Center Generator Sets Sales Quantity by Type (2021-2026) & (Units)

Table 97. Global Data Center Generator Sets Sales Quantity by Type (2027-2032) & (Units)

Table 98. Global Data Center Generator Sets Consumption Value by Type (2021-2026) & (USD Million)

Table 99. Global Data Center Generator Sets Consumption Value by Type (2027-2032) & (USD Million)

Table 100. Global Data Center Generator Sets Average Price by Type (2021-2026) & (K US\$/Unit)

Table 101. Global Data Center Generator Sets Average Price by Type (2027-2032) & (K US\$/Unit)

Table 102. Global Data Center Generator Sets Sales Quantity by Application (2021-2026) & (Units)

Table 103. Global Data Center Generator Sets Sales Quantity by Application (2027-2032) & (Units)

Table 104. Global Data Center Generator Sets Consumption Value by Application (2021-2026) & (USD Million)

Table 105. Global Data Center Generator Sets Consumption Value by Application (2027-2032) & (USD Million)

Table 106. Global Data Center Generator Sets Average Price by Application (2021-2026) & (K US\$/Unit)

Table 107. Global Data Center Generator Sets Average Price by Application (2027-2032) & (K US\$/Unit)

Table 108. North America Data Center Generator Sets Sales Quantity by Type (2021-2026) & (Units)

Table 109. North America Data Center Generator Sets Sales Quantity by Type (2027-2032) & (Units)

Table 110. North America Data Center Generator Sets Sales Quantity by Application (2021-2026) & (Units)

Table 111. North America Data Center Generator Sets Sales Quantity by Application (2027-2032) & (Units)

Table 112. North America Data Center Generator Sets Sales Quantity by Country (2021-2026) & (Units)

Table 113. North America Data Center Generator Sets Sales Quantity by Country (2027-2032) & (Units)

Table 114. North America Data Center Generator Sets Consumption Value by Country (2021-2026) & (USD Million)

Table 115. North America Data Center Generator Sets Consumption Value by Country (2027-2032) & (USD Million)

Table 116. Europe Data Center Generator Sets Sales Quantity by Type (2021-2026) & (Units)

Table 117. Europe Data Center Generator Sets Sales Quantity by Type (2027-2032) & (Units)

Table 118. Europe Data Center Generator Sets Sales Quantity by Application (2021-2026) & (Units)

Table 119. Europe Data Center Generator Sets Sales Quantity by Application (2027-2032) & (Units)

Table 120. Europe Data Center Generator Sets Sales Quantity by Country (2021-2026)

& (Units)

Table 121. Europe Data Center Generator Sets Sales Quantity by Country (2027-2032)

& (Units)

Table 122. Europe Data Center Generator Sets Consumption Value by Country (2021-2026) & (USD Million)

Table 123. Europe Data Center Generator Sets Consumption Value by Country (2027-2032) & (USD Million)

Table 124. Asia-Pacific Data Center Generator Sets Sales Quantity by Type (2021-2026) & (Units)

Table 125. Asia-Pacific Data Center Generator Sets Sales Quantity by Type (2027-2032) & (Units)

Table 126. Asia-Pacific Data Center Generator Sets Sales Quantity by Application (2021-2026) & (Units)

Table 127. Asia-Pacific Data Center Generator Sets Sales Quantity by Application (2027-2032) & (Units)

Table 128. Asia-Pacific Data Center Generator Sets Sales Quantity by Region (2021-2026) & (Units)

Table 129. Asia-Pacific Data Center Generator Sets Sales Quantity by Region (2027-2032) & (Units)

Table 130. Asia-Pacific Data Center Generator Sets Consumption Value by Region (2021-2026) & (USD Million)

Table 131. Asia-Pacific Data Center Generator Sets Consumption Value by Region (2027-2032) & (USD Million)

Table 132. South America Data Center Generator Sets Sales Quantity by Type (2021-2026) & (Units)

Table 133. South America Data Center Generator Sets Sales Quantity by Type (2027-2032) & (Units)

Table 134. South America Data Center Generator Sets Sales Quantity by Application (2021-2026) & (Units)

Table 135. South America Data Center Generator Sets Sales Quantity by Application (2027-2032) & (Units)

Table 136. South America Data Center Generator Sets Sales Quantity by Country (2021-2026) & (Units)

Table 137. South America Data Center Generator Sets Sales Quantity by Country (2027-2032) & (Units)

Table 138. South America Data Center Generator Sets Consumption Value by Country (2021-2026) & (USD Million)

Table 139. South America Data Center Generator Sets Consumption Value by Country (2027-2032) & (USD Million)

Table 140. Middle East & Africa Data Center Generator Sets Sales Quantity by Type (2021-2026) & (Units)

Table 141. Middle East & Africa Data Center Generator Sets Sales Quantity by Type (2027-2032) & (Units)

Table 142. Middle East & Africa Data Center Generator Sets Sales Quantity by Application (2021-2026) & (Units)

Table 143. Middle East & Africa Data Center Generator Sets Sales Quantity by Application (2027-2032) & (Units)

Table 144. Middle East & Africa Data Center Generator Sets Sales Quantity by Country (2021-2026) & (Units)

Table 145. Middle East & Africa Data Center Generator Sets Sales Quantity by Country (2027-2032) & (Units)

Table 146. Middle East & Africa Data Center Generator Sets Consumption Value by Country (2021-2026) & (USD Million)

Table 147. Middle East & Africa Data Center Generator Sets Consumption Value by Country (2027-2032) & (USD Million)

Table 148. Data Center Generator Sets Raw Material

Table 149. Key Manufacturers of Data Center Generator Sets Raw Materials

Table 150. Data Center Generator Sets Typical Distributors

Table 151. Data Center Generator Sets Typical Customers

List Of Figures

LIST OF FIGURES

- Figure 1. Data Center Generator Sets Picture
- Figure 2. Global Data Center Generator Sets Revenue by Type, (USD Million), 2021 & 2025 & 2032
- Figure 3. Global Data Center Generator Sets Revenue Market Share by Type in 2025
- Figure 4. Cylinder Bore: Figure 5. Cylinder Bore: 130?170 mm Examples
- Figure 6. Cylinder Bore: > 170 mm Examples
- Figure 7. Global Data Center Generator Sets Revenue by Cylinders, (USD Million), 2021 & 2025 & 2032
- Figure 8. Global Data Center Generator Sets Revenue Market Share by Cylinders in 2025
- Figure 9. Figure 10. 12-16 Cylinders Examples
- Figure 11. >16 Cylinders Examples
- Figure 12. Global Data Center Generator Sets Revenue by Power Generation Type, (USD Million), 2021 & 2025 & 2032
- Figure 13. Global Data Center Generator Sets Revenue Market Share by Power Generation Type in 2025
- Figure 14. Diesel Generator Examples
- Figure 15. Gas Generator Examples
- Figure 16. Global Data Center Generator Sets Consumption Value by Application, (USD Million), 2021 & 2025 & 2032
- Figure 17. Global Data Center Generator Sets Revenue Market Share by Application in 2025
- Figure 18. Cloud?Data?Centers Examples
- Figure 19. AI?Data?Centers/AI?Servers Examples
- Figure 20. HPC?Data?Centers Examples
- Figure 21. Enterprise?Data?Centers Examples
- Figure 22. Others Examples
- Figure 23. Global Data Center Generator Sets Consumption Value, (USD Million): 2021 & 2025 & 2032
- Figure 24. Global Data Center Generator Sets Consumption Value and Forecast (2021-2032) & (USD Million)
- Figure 25. Global Data Center Generator Sets Sales Quantity (2021-2032) & (Units)
- Figure 26. Global Data Center Generator Sets Price (2021-2032) & (K US\$/Unit)
- Figure 27. Global Data Center Generator Sets Sales Quantity Market Share by Manufacturer in 2025

Figure 28. Global Data Center Generator Sets Revenue Market Share by Manufacturer in 2025

Figure 29. Producer Shipments of Data Center Generator Sets by Manufacturer Sales (\$MM) and Market Share (%): 2025

Figure 30. Top 3 Data Center Generator Sets Manufacturer (Revenue) Market Share in 2025

Figure 31. Top 6 Data Center Generator Sets Manufacturer (Revenue) Market Share in 2025

Figure 32. Global Data Center Generator Sets Sales Quantity Market Share by Region (2021-2032)

Figure 33. Global Data Center Generator Sets Consumption Value Market Share by Region (2021-2032)

Figure 34. North America Data Center Generator Sets Consumption Value (2021-2032) & (USD Million)

Figure 35. Europe Data Center Generator Sets Consumption Value (2021-2032) & (USD Million)

Figure 36. Asia-Pacific Data Center Generator Sets Consumption Value (2021-2032) & (USD Million)

Figure 37. South America Data Center Generator Sets Consumption Value (2021-2032) & (USD Million)

Figure 38. Middle East & Africa Data Center Generator Sets Consumption Value (2021-2032) & (USD Million)

Figure 39. Global Data Center Generator Sets Sales Quantity Market Share by Type (2021-2032)

Figure 40. Global Data Center Generator Sets Consumption Value Market Share by Type (2021-2032)

Figure 41. Global Data Center Generator Sets Average Price by Type (2021-2032) & (K US\$/Unit)

Figure 42. Global Data Center Generator Sets Sales Quantity Market Share by Application (2021-2032)

Figure 43. Global Data Center Generator Sets Revenue Market Share by Application (2021-2032)

Figure 44. Global Data Center Generator Sets Average Price by Application (2021-2032) & (K US\$/Unit)

Figure 45. North America Data Center Generator Sets Sales Quantity Market Share by Type (2021-2032)

Figure 46. North America Data Center Generator Sets Sales Quantity Market Share by Application (2021-2032)

Figure 47. North America Data Center Generator Sets Sales Quantity Market Share by

Country (2021-2032)

Figure 48. North America Data Center Generator Sets Consumption Value Market Share by Country (2021-2032)

Figure 49. United States Data Center Generator Sets Consumption Value (2021-2032) & (USD Million)

Figure 50. Canada Data Center Generator Sets Consumption Value (2021-2032) & (USD Million)

Figure 51. Mexico Data Center Generator Sets Consumption Value (2021-2032) & (USD Million)

Figure 52. Europe Data Center Generator Sets Sales Quantity Market Share by Type (2021-2032)

Figure 53. Europe Data Center Generator Sets Sales Quantity Market Share by Application (2021-2032)

Figure 54. Europe Data Center Generator Sets Sales Quantity Market Share by Country (2021-2032)

Figure 55. Europe Data Center Generator Sets Consumption Value Market Share by Country (2021-2032)

Figure 56. Germany Data Center Generator Sets Consumption Value (2021-2032) & (USD Million)

Figure 57. France Data Center Generator Sets Consumption Value (2021-2032) & (USD Million)

Figure 58. United Kingdom Data Center Generator Sets Consumption Value (2021-2032) & (USD Million)

Figure 59. Russia Data Center Generator Sets Consumption Value (2021-2032) & (USD Million)

Figure 60. Italy Data Center Generator Sets Consumption Value (2021-2032) & (USD Million)

Figure 61. Asia-Pacific Data Center Generator Sets Sales Quantity Market Share by Type (2021-2032)

Figure 62. Asia-Pacific Data Center Generator Sets Sales Quantity Market Share by Application (2021-2032)

Figure 63. Asia-Pacific Data Center Generator Sets Sales Quantity Market Share by Region (2021-2032)

Figure 64. Asia-Pacific Data Center Generator Sets Consumption Value Market Share by Region (2021-2032)

Figure 65. China Data Center Generator Sets Consumption Value (2021-2032) & (USD Million)

Figure 66. Japan Data Center Generator Sets Consumption Value (2021-2032) & (USD Million)

Figure 67. South Korea Data Center Generator Sets Consumption Value (2021-2032) & (USD Million)

Figure 68. India Data Center Generator Sets Consumption Value (2021-2032) & (USD Million)

Figure 69. Southeast Asia Data Center Generator Sets Consumption Value (2021-2032) & (USD Million)

Figure 70. Australia Data Center Generator Sets Consumption Value (2021-2032) & (USD Million)

Figure 71. South America Data Center Generator Sets Sales Quantity Market Share by Type (2021-2032)

Figure 72. South America Data Center Generator Sets Sales Quantity Market Share by Application (2021-2032)

Figure 73. South America Data Center Generator Sets Sales Quantity Market Share by Country (2021-2032)

Figure 74. South America Data Center Generator Sets Consumption Value Market Share by Country (2021-2032)

Figure 75. Brazil Data Center Generator Sets Consumption Value (2021-2032) & (USD Million)

Figure 76. Argentina Data Center Generator Sets Consumption Value (2021-2032) & (USD Million)

Figure 77. Middle East & Africa Data Center Generator Sets Sales Quantity Market Share by Type (2021-2032)

Figure 78. Middle East & Africa Data Center Generator Sets Sales Quantity Market Share by Application (2021-2032)

Figure 79. Middle East & Africa Data Center Generator Sets Sales Quantity Market Share by Country (2021-2032)

Figure 80. Middle East & Africa Data Center Generator Sets Consumption Value Market Share by Country (2021-2032)

Figure 81. Turkey Data Center Generator Sets Consumption Value (2021-2032) & (USD Million)

Figure 82. Egypt Data Center Generator Sets Consumption Value (2021-2032) & (USD Million)

Figure 83. Saudi Arabia Data Center Generator Sets Consumption Value (2021-2032) & (USD Million)

Figure 84. South Africa Data Center Generator Sets Consumption Value (2021-2032) & (USD Million)

Figure 85. Data Center Generator Sets Market Drivers

Figure 86. Data Center Generator Sets Market Restraints

Figure 87. Data Center Generator Sets Market Trends

Figure 88. Porters Five Forces Analysis

Figure 89. Manufacturing Cost Structure Analysis of Data Center Generator Sets in 2025

Figure 90. Manufacturing Process Analysis of Data Center Generator Sets

Figure 91. Data Center Generator Sets Industrial Chain

Figure 92. Sales Channel: Direct to End-User vs Distributors

Figure 93. Direct Channel Pros & Cons

Figure 94. Indirect Channel Pros & Cons

Figure 95. Methodology

Figure 96. Research Process and Data Source

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