

# Global Synchronous Generator 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 Synchronous Generator market size was valued at US\$ 1543 million in 2025 and is forecast to a readjusted size of US\$ 2332 million by 2032 with a CAGR of 6.1% during review period.

In 2025, global production capacity of synchronous generators is approximately 60,000 units, with actual production reaching about 50,000 units. The average global market price is around US\$ 30,000 per unit. Gross profit margins mainly range from 18% to 28%. A synchronous generator is an electrical machine that converts mechanical energy into electrical energy through electromagnetic induction, operating at a speed synchronized with the frequency of the power grid. The rotor magnetic field rotates at synchronous speed, ensuring a constant relationship between rotational speed and output frequency. Synchronous generators are widely used in thermal power plants, hydroelectric stations, nuclear facilities, wind power systems, and industrial power generation applications.

Upstream mainly includes electrical steel laminations, copper windings, insulation materials, bearings, forgings, excitation systems, and control equipment. Midstream focuses on generator design, rotor and stator manufacturing, assembly, balancing, insulation treatment, and performance testing, representing the core manufacturing and technical integration stage. Downstream applications cover power plants, renewable energy projects, industrial self-generation facilities, marine power systems, and distributed energy systems, extending to installation, commissioning, and long-term maintenance services.

The synchronous generator market is closely linked to global power generation

investment and energy transition trends. Traditional thermal and hydro power plants remain key demand sources, particularly in developing regions where electricity infrastructure expansion continues. Meanwhile, renewable energy integration, especially in large-scale hydropower and certain wind turbine configurations, supports stable demand for synchronous generators.

Grid stability requirements are also reinforcing their importance. Compared with asynchronous generation systems, synchronous generators provide inertia and reactive power support, contributing to frequency regulation and voltage stability. As power grids incorporate higher shares of intermittent renewable energy, the role of synchronous generation in maintaining grid reliability becomes increasingly critical. In addition, industrial self-generation and distributed energy projects are creating incremental demand. Overall, the market is expected to grow steadily, driven by both capacity additions and replacement of aging units.

This report is a detailed and comprehensive analysis for global Synchronous Generator market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Prime Mover. 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 Synchronous Generator market size and forecasts, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2021-2032

Global Synchronous Generator market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2021-2032

Global Synchronous Generator market size and forecasts, by Type and by Prime Mover, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2021-2032

Global Synchronous Generator market shares of main players, shipments in revenue (\$ Million), sales quantity (Units), and ASP (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 Synchronous Generator

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 Synchronous Generator 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 ABB, Wolong Electric Group, ANDRITZ, Ansaldo Energia, Elin Motoren, EvoTec Power, Ingeteam, Marelli Motori, Meidensha, MENZEL Elektromotoren, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

## Market Segmentation

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

### Market segment by Type

Single Phase

Three Phase

### Market segment by Prime Mover

Marine

Chemical

Mining

Others

#### Major players covered

ABB

Wolong Electric Group

ANDRITZ

Ansaldo Energia

Elin Motoren

EvoTec Power

Ingeteam

Marelli Motori

Meidensha

MENZEL Elektromotoren

Partzsch

TMEIC

WEG

Fenxi

Yihua Power

Kaijeli

NTC China

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 Synchronous Generator product scope, market overview, market estimation caveats and base year.

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

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

Chapter 4, the Synchronous Generator 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 Prime Mover, with sales market share and growth rate by Type, by Prime Mover, 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 Synchronous Generator market forecast, by regions, by Type, and by Prime Mover, 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 Synchronous Generator.

Chapter 14 and 15, to describe Synchronous Generator 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 Synchronous Generator Consumption Value by Type: 2021 Versus 2025 Versus 2032

1.3.2 Single Phase

1.3.3 Three Phase

1.4 Market Analysis by Prime Mover

1.4.1 Overview: Global Synchronous Generator Consumption Value by Prime Mover: 2021 Versus 2025 Versus 2032

1.4.2 Marine

1.4.3 Chemical

1.4.4 Mining

1.4.5 Others

1.5 Global Synchronous Generator Market Size & Forecast

1.5.1 Global Synchronous Generator Consumption Value (2021 & 2025 & 2032)

1.5.2 Global Synchronous Generator Sales Quantity (2021-2032)

1.5.3 Global Synchronous Generator Average Price (2021-2032)

### 2 MANUFACTURERS PROFILES

2.1 ABB

2.1.1 ABB Details

2.1.2 ABB Major Business

2.1.3 ABB Synchronous Generator Product and Services

2.1.4 ABB Synchronous Generator Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.1.5 ABB Recent Developments/Updates

2.2 Wolong Electric Group

2.2.1 Wolong Electric Group Details

2.2.2 Wolong Electric Group Major Business

2.2.3 Wolong Electric Group Synchronous Generator Product and Services

2.2.4 Wolong Electric Group Synchronous Generator Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.2.5 Wolong Electric Group Recent Developments/Updates

## 2.3 ANDRITZ

### 2.3.1 ANDRITZ Details

### 2.3.2 ANDRITZ Major Business

### 2.3.3 ANDRITZ Synchronous Generator Product and Services

### 2.3.4 ANDRITZ Synchronous Generator Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

### 2.3.5 ANDRITZ Recent Developments/Updates

## 2.4 Ansaldo Energia

### 2.4.1 Ansaldo Energia Details

### 2.4.2 Ansaldo Energia Major Business

### 2.4.3 Ansaldo Energia Synchronous Generator Product and Services

### 2.4.4 Ansaldo Energia Synchronous Generator Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

### 2.4.5 Ansaldo Energia Recent Developments/Updates

## 2.5 Elin Motoren

### 2.5.1 Elin Motoren Details

### 2.5.2 Elin Motoren Major Business

### 2.5.3 Elin Motoren Synchronous Generator Product and Services

### 2.5.4 Elin Motoren Synchronous Generator Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

### 2.5.5 Elin Motoren Recent Developments/Updates

## 2.6 EvoTec Power

### 2.6.1 EvoTec Power Details

### 2.6.2 EvoTec Power Major Business

### 2.6.3 EvoTec Power Synchronous Generator Product and Services

### 2.6.4 EvoTec Power Synchronous Generator Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

### 2.6.5 EvoTec Power Recent Developments/Updates

## 2.7 Ingeteam

### 2.7.1 Ingeteam Details

### 2.7.2 Ingeteam Major Business

### 2.7.3 Ingeteam Synchronous Generator Product and Services

### 2.7.4 Ingeteam Synchronous Generator Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

### 2.7.5 Ingeteam Recent Developments/Updates

## 2.8 Marelli Motori

### 2.8.1 Marelli Motori Details

### 2.8.2 Marelli Motori Major Business

### 2.8.3 Marelli Motori Synchronous Generator Product and Services

2.8.4 Marelli Motori Synchronous Generator Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.8.5 Marelli Motori Recent Developments/Updates

2.9 Meidensha

2.9.1 Meidensha Details

2.9.2 Meidensha Major Business

2.9.3 Meidensha Synchronous Generator Product and Services

2.9.4 Meidensha Synchronous Generator Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.9.5 Meidensha Recent Developments/Updates

2.10 MENZEL Elektromotoren

2.10.1 MENZEL Elektromotoren Details

2.10.2 MENZEL Elektromotoren Major Business

2.10.3 MENZEL Elektromotoren Synchronous Generator Product and Services

2.10.4 MENZEL Elektromotoren Synchronous Generator Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.10.5 MENZEL Elektromotoren Recent Developments/Updates

2.11 Partzsch

2.11.1 Partzsch Details

2.11.2 Partzsch Major Business

2.11.3 Partzsch Synchronous Generator Product and Services

2.11.4 Partzsch Synchronous Generator Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.11.5 Partzsch Recent Developments/Updates

2.12 TMEIC

2.12.1 TMEIC Details

2.12.2 TMEIC Major Business

2.12.3 TMEIC Synchronous Generator Product and Services

2.12.4 TMEIC Synchronous Generator Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.12.5 TMEIC Recent Developments/Updates

2.13 WEG

2.13.1 WEG Details

2.13.2 WEG Major Business

2.13.3 WEG Synchronous Generator Product and Services

2.13.4 WEG Synchronous Generator Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.13.5 WEG Recent Developments/Updates

2.14 Fenxi

- 2.14.1 Fenxi Details
- 2.14.2 Fenxi Major Business
- 2.14.3 Fenxi Synchronous Generator Product and Services
- 2.14.4 Fenxi Synchronous Generator Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
- 2.14.5 Fenxi Recent Developments/Updates
- 2.15 Yihua Power
  - 2.15.1 Yihua Power Details
  - 2.15.2 Yihua Power Major Business
  - 2.15.3 Yihua Power Synchronous Generator Product and Services
  - 2.15.4 Yihua Power Synchronous Generator Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
  - 2.15.5 Yihua Power Recent Developments/Updates
- 2.16 Kaijieli
  - 2.16.1 Kaijieli Details
  - 2.16.2 Kaijieli Major Business
  - 2.16.3 Kaijieli Synchronous Generator Product and Services
  - 2.16.4 Kaijieli Synchronous Generator Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
  - 2.16.5 Kaijieli Recent Developments/Updates
- 2.17 NTC China
  - 2.17.1 NTC China Details
  - 2.17.2 NTC China Major Business
  - 2.17.3 NTC China Synchronous Generator Product and Services
  - 2.17.4 NTC China Synchronous Generator Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
  - 2.17.5 NTC China Recent Developments/Updates

### **3 COMPETITIVE ENVIRONMENT: SYNCHRONOUS GENERATOR BY MANUFACTURER**

- 3.1 Global Synchronous Generator Sales Quantity by Manufacturer (2021-2026)
- 3.2 Global Synchronous Generator Revenue by Manufacturer (2021-2026)
- 3.3 Global Synchronous Generator Average Price by Manufacturer (2021-2026)
- 3.4 Market Share Analysis (2025)
  - 3.4.1 Producer Shipments of Synchronous Generator by Manufacturer Revenue (\$MM) and Market Share (%): 2025
  - 3.4.2 Top 3 Synchronous Generator Manufacturer Market Share in 2025
  - 3.4.3 Top 6 Synchronous Generator Manufacturer Market Share in 2025

- 3.5 Synchronous Generator Market: Overall Company Footprint Analysis
  - 3.5.1 Synchronous Generator Market: Region Footprint
  - 3.5.2 Synchronous Generator Market: Company Product Type Footprint
  - 3.5.3 Synchronous Generator 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 Synchronous Generator Market Size by Region
  - 4.1.1 Global Synchronous Generator Sales Quantity by Region (2021-2032)
  - 4.1.2 Global Synchronous Generator Consumption Value by Region (2021-2032)
  - 4.1.3 Global Synchronous Generator Average Price by Region (2021-2032)
- 4.2 North America Synchronous Generator Consumption Value (2021-2032)
- 4.3 Europe Synchronous Generator Consumption Value (2021-2032)
- 4.4 Asia-Pacific Synchronous Generator Consumption Value (2021-2032)
- 4.5 South America Synchronous Generator Consumption Value (2021-2032)
- 4.6 Middle East & Africa Synchronous Generator Consumption Value (2021-2032)

## **5 MARKET SEGMENT BY TYPE**

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

## **6 MARKET SEGMENT BY PRIME MOVER**

- 6.1 Global Synchronous Generator Sales Quantity by Prime Mover (2021-2032)
- 6.2 Global Synchronous Generator Consumption Value by Prime Mover (2021-2032)
- 6.3 Global Synchronous Generator Average Price by Prime Mover (2021-2032)

## **7 NORTH AMERICA**

- 7.1 North America Synchronous Generator Sales Quantity by Type (2021-2032)
- 7.2 North America Synchronous Generator Sales Quantity by Prime Mover (2021-2032)
- 7.3 North America Synchronous Generator Market Size by Country
  - 7.3.1 North America Synchronous Generator Sales Quantity by Country (2021-2032)
  - 7.3.2 North America Synchronous Generator 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 Synchronous Generator Sales Quantity by Type (2021-2032)

8.2 Europe Synchronous Generator Sales Quantity by Prime Mover (2021-2032)

8.3 Europe Synchronous Generator Market Size by Country

8.3.1 Europe Synchronous Generator Sales Quantity by Country (2021-2032)

8.3.2 Europe Synchronous Generator 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 Synchronous Generator Sales Quantity by Type (2021-2032)

9.2 Asia-Pacific Synchronous Generator Sales Quantity by Prime Mover (2021-2032)

9.3 Asia-Pacific Synchronous Generator Market Size by Region

9.3.1 Asia-Pacific Synchronous Generator Sales Quantity by Region (2021-2032)

9.3.2 Asia-Pacific Synchronous Generator 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 Synchronous Generator Sales Quantity by Type (2021-2032)

10.2 South America Synchronous Generator Sales Quantity by Prime Mover  
(2021-2032)

10.3 South America Synchronous Generator Market Size by Country

10.3.1 South America Synchronous Generator Sales Quantity by Country (2021-2032)

10.3.2 South America Synchronous Generator 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 Synchronous Generator Sales Quantity by Type (2021-2032)

11.2 Middle East & Africa Synchronous Generator Sales Quantity by Prime Mover  
(2021-2032)

11.3 Middle East & Africa Synchronous Generator Market Size by Country

11.3.1 Middle East & Africa Synchronous Generator Sales Quantity by Country  
(2021-2032)

11.3.2 Middle East & Africa Synchronous Generator 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 Synchronous Generator Market Drivers

12.2 Synchronous Generator Market Restraints

12.3 Synchronous Generator 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 Synchronous Generator and Key Manufacturers

13.2 Manufacturing Costs Percentage of Synchronous Generator

13.3 Synchronous Generator 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 Synchronous Generator Typical Distributors

## 14.3 Synchronous Generator 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 Synchronous Generator Consumption Value by Type, (USD Million), 2021 & 2025 & 2032

Table 2. Global Synchronous Generator Consumption Value by Prime Mover, (USD Million), 2021 & 2025 & 2032

Table 3. ABB Basic Information, Manufacturing Base and Competitors

Table 4. ABB Major Business

Table 5. ABB Synchronous Generator Product and Services

Table 6. ABB Synchronous Generator Sales Quantity (Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 7. ABB Recent Developments/Updates

Table 8. Wolong Electric Group Basic Information, Manufacturing Base and Competitors

Table 9. Wolong Electric Group Major Business

Table 10. Wolong Electric Group Synchronous Generator Product and Services

Table 11. Wolong Electric Group Synchronous Generator Sales Quantity (Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 12. Wolong Electric Group Recent Developments/Updates

Table 13. ANDRITZ Basic Information, Manufacturing Base and Competitors

Table 14. ANDRITZ Major Business

Table 15. ANDRITZ Synchronous Generator Product and Services

Table 16. ANDRITZ Synchronous Generator Sales Quantity (Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 17. ANDRITZ Recent Developments/Updates

Table 18. Ansaldo Energia Basic Information, Manufacturing Base and Competitors

Table 19. Ansaldo Energia Major Business

Table 20. Ansaldo Energia Synchronous Generator Product and Services

Table 21. Ansaldo Energia Synchronous Generator Sales Quantity (Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 22. Ansaldo Energia Recent Developments/Updates

Table 23. Elin Motoren Basic Information, Manufacturing Base and Competitors

Table 24. Elin Motoren Major Business

Table 25. Elin Motoren Synchronous Generator Product and Services

Table 26. Elin Motoren Synchronous Generator Sales Quantity (Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 27. Elin Motoren Recent Developments/Updates

- Table 28. EvoTec Power Basic Information, Manufacturing Base and Competitors
- Table 29. EvoTec Power Major Business
- Table 30. EvoTec Power Synchronous Generator Product and Services
- Table 31. EvoTec Power Synchronous Generator Sales Quantity (Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 32. EvoTec Power Recent Developments/Updates
- Table 33. Ingeteam Basic Information, Manufacturing Base and Competitors
- Table 34. Ingeteam Major Business
- Table 35. Ingeteam Synchronous Generator Product and Services
- Table 36. Ingeteam Synchronous Generator Sales Quantity (Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 37. Ingeteam Recent Developments/Updates
- Table 38. Marelli Motori Basic Information, Manufacturing Base and Competitors
- Table 39. Marelli Motori Major Business
- Table 40. Marelli Motori Synchronous Generator Product and Services
- Table 41. Marelli Motori Synchronous Generator Sales Quantity (Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 42. Marelli Motori Recent Developments/Updates
- Table 43. Meidensha Basic Information, Manufacturing Base and Competitors
- Table 44. Meidensha Major Business
- Table 45. Meidensha Synchronous Generator Product and Services
- Table 46. Meidensha Synchronous Generator Sales Quantity (Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 47. Meidensha Recent Developments/Updates
- Table 48. MENZEL Elektromotoren Basic Information, Manufacturing Base and Competitors
- Table 49. MENZEL Elektromotoren Major Business
- Table 50. MENZEL Elektromotoren Synchronous Generator Product and Services
- Table 51. MENZEL Elektromotoren Synchronous Generator Sales Quantity (Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 52. MENZEL Elektromotoren Recent Developments/Updates
- Table 53. Partzsch Basic Information, Manufacturing Base and Competitors
- Table 54. Partzsch Major Business
- Table 55. Partzsch Synchronous Generator Product and Services
- Table 56. Partzsch Synchronous Generator Sales Quantity (Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 57. Partzsch Recent Developments/Updates
- Table 58. TMEIC Basic Information, Manufacturing Base and Competitors

Table 59. TMEIC Major Business

Table 60. TMEIC Synchronous Generator Product and Services

Table 61. TMEIC Synchronous Generator Sales Quantity (Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 62. TMEIC Recent Developments/Updates

Table 63. WEG Basic Information, Manufacturing Base and Competitors

Table 64. WEG Major Business

Table 65. WEG Synchronous Generator Product and Services

Table 66. WEG Synchronous Generator Sales Quantity (Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 67. WEG Recent Developments/Updates

Table 68. Fenxi Basic Information, Manufacturing Base and Competitors

Table 69. Fenxi Major Business

Table 70. Fenxi Synchronous Generator Product and Services

Table 71. Fenxi Synchronous Generator Sales Quantity (Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 72. Fenxi Recent Developments/Updates

Table 73. Yihua Power Basic Information, Manufacturing Base and Competitors

Table 74. Yihua Power Major Business

Table 75. Yihua Power Synchronous Generator Product and Services

Table 76. Yihua Power Synchronous Generator Sales Quantity (Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 77. Yihua Power Recent Developments/Updates

Table 78. Kaijieli Basic Information, Manufacturing Base and Competitors

Table 79. Kaijieli Major Business

Table 80. Kaijieli Synchronous Generator Product and Services

Table 81. Kaijieli Synchronous Generator Sales Quantity (Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 82. Kaijieli Recent Developments/Updates

Table 83. NTC China Basic Information, Manufacturing Base and Competitors

Table 84. NTC China Major Business

Table 85. NTC China Synchronous Generator Product and Services

Table 86. NTC China Synchronous Generator Sales Quantity (Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 87. NTC China Recent Developments/Updates

Table 88. Global Synchronous Generator Sales Quantity by Manufacturer (2021-2026) & (Units)

Table 89. Global Synchronous Generator Revenue by Manufacturer (2021-2026) & (USD Million)

Table 90. Global Synchronous Generator Average Price by Manufacturer (2021-2026) & (US\$/Unit)

Table 91. Market Position of Manufacturers in Synchronous Generator, (Tier 1, Tier 2, and Tier 3), Based on Revenue in 2025

Table 92. Head Office and Synchronous Generator Production Site of Key Manufacturer

Table 93. Synchronous Generator Market: Company Product Type Footprint

Table 94. Synchronous Generator Market: Company Product Application Footprint

Table 95. Synchronous Generator New Market Entrants and Barriers to Market Entry

Table 96. Synchronous Generator Mergers, Acquisition, Agreements, and Collaborations

Table 97. Global Synchronous Generator Consumption Value by Region (2021-2025-2032) & (USD Million) & CAGR

Table 98. Global Synchronous Generator Sales Quantity by Region (2021-2026) & (Units)

Table 99. Global Synchronous Generator Sales Quantity by Region (2027-2032) & (Units)

Table 100. Global Synchronous Generator Consumption Value by Region (2021-2026) & (USD Million)

Table 101. Global Synchronous Generator Consumption Value by Region (2027-2032) & (USD Million)

Table 102. Global Synchronous Generator Average Price by Region (2021-2026) & (US\$/Unit)

Table 103. Global Synchronous Generator Average Price by Region (2027-2032) & (US\$/Unit)

Table 104. Global Synchronous Generator Sales Quantity by Type (2021-2026) & (Units)

Table 105. Global Synchronous Generator Sales Quantity by Type (2027-2032) & (Units)

Table 106. Global Synchronous Generator Consumption Value by Type (2021-2026) & (USD Million)

Table 107. Global Synchronous Generator Consumption Value by Type (2027-2032) & (USD Million)

Table 108. Global Synchronous Generator Average Price by Type (2021-2026) & (US\$/Unit)

Table 109. Global Synchronous Generator Average Price by Type (2027-2032) & (US\$/Unit)

Table 110. Global Synchronous Generator Sales Quantity by Prime Mover (2021-2026) & (Units)

Table 111. Global Synchronous Generator Sales Quantity by Prime Mover (2027-2032)

& (Units)

Table 112. Global Synchronous Generator Consumption Value by Prime Mover (2021-2026) & (USD Million)

Table 113. Global Synchronous Generator Consumption Value by Prime Mover (2027-2032) & (USD Million)

Table 114. Global Synchronous Generator Average Price by Prime Mover (2021-2026) & (US\$/Unit)

Table 115. Global Synchronous Generator Average Price by Prime Mover (2027-2032) & (US\$/Unit)

Table 116. North America Synchronous Generator Sales Quantity by Type (2021-2026) & (Units)

Table 117. North America Synchronous Generator Sales Quantity by Type (2027-2032) & (Units)

Table 118. North America Synchronous Generator Sales Quantity by Prime Mover (2021-2026) & (Units)

Table 119. North America Synchronous Generator Sales Quantity by Prime Mover (2027-2032) & (Units)

Table 120. North America Synchronous Generator Sales Quantity by Country (2021-2026) & (Units)

Table 121. North America Synchronous Generator Sales Quantity by Country (2027-2032) & (Units)

Table 122. North America Synchronous Generator Consumption Value by Country (2021-2026) & (USD Million)

Table 123. North America Synchronous Generator Consumption Value by Country (2027-2032) & (USD Million)

Table 124. Europe Synchronous Generator Sales Quantity by Type (2021-2026) & (Units)

Table 125. Europe Synchronous Generator Sales Quantity by Type (2027-2032) & (Units)

Table 126. Europe Synchronous Generator Sales Quantity by Prime Mover (2021-2026) & (Units)

Table 127. Europe Synchronous Generator Sales Quantity by Prime Mover (2027-2032) & (Units)

Table 128. Europe Synchronous Generator Sales Quantity by Country (2021-2026) & (Units)

Table 129. Europe Synchronous Generator Sales Quantity by Country (2027-2032) & (Units)

Table 130. Europe Synchronous Generator Consumption Value by Country (2021-2026) & (USD Million)

Table 131. Europe Synchronous Generator Consumption Value by Country (2027-2032) & (USD Million)

Table 132. Asia-Pacific Synchronous Generator Sales Quantity by Type (2021-2026) & (Units)

Table 133. Asia-Pacific Synchronous Generator Sales Quantity by Type (2027-2032) & (Units)

Table 134. Asia-Pacific Synchronous Generator Sales Quantity by Prime Mover (2021-2026) & (Units)

Table 135. Asia-Pacific Synchronous Generator Sales Quantity by Prime Mover (2027-2032) & (Units)

Table 136. Asia-Pacific Synchronous Generator Sales Quantity by Region (2021-2026) & (Units)

Table 137. Asia-Pacific Synchronous Generator Sales Quantity by Region (2027-2032) & (Units)

Table 138. Asia-Pacific Synchronous Generator Consumption Value by Region (2021-2026) & (USD Million)

Table 139. Asia-Pacific Synchronous Generator Consumption Value by Region (2027-2032) & (USD Million)

Table 140. South America Synchronous Generator Sales Quantity by Type (2021-2026) & (Units)

Table 141. South America Synchronous Generator Sales Quantity by Type (2027-2032) & (Units)

Table 142. South America Synchronous Generator Sales Quantity by Prime Mover (2021-2026) & (Units)

Table 143. South America Synchronous Generator Sales Quantity by Prime Mover (2027-2032) & (Units)

Table 144. South America Synchronous Generator Sales Quantity by Country (2021-2026) & (Units)

Table 145. South America Synchronous Generator Sales Quantity by Country (2027-2032) & (Units)

Table 146. South America Synchronous Generator Consumption Value by Country (2021-2026) & (USD Million)

Table 147. South America Synchronous Generator Consumption Value by Country (2027-2032) & (USD Million)

Table 148. Middle East & Africa Synchronous Generator Sales Quantity by Type (2021-2026) & (Units)

Table 149. Middle East & Africa Synchronous Generator Sales Quantity by Type (2027-2032) & (Units)

Table 150. Middle East & Africa Synchronous Generator Sales Quantity by Prime Mover

(2021-2026) & (Units)

Table 151. Middle East & Africa Synchronous Generator Sales Quantity by Prime Mover

(2027-2032) & (Units)

Table 152. Middle East & Africa Synchronous Generator Sales Quantity by Country

(2021-2026) & (Units)

Table 153. Middle East & Africa Synchronous Generator Sales Quantity by Country

(2027-2032) & (Units)

Table 154. Middle East & Africa Synchronous Generator Consumption Value by Country (2021-2026) & (USD Million)

Table 155. Middle East & Africa Synchronous Generator Consumption Value by Country (2027-2032) & (USD Million)

Table 156. Synchronous Generator Raw Material

Table 157. Key Manufacturers of Synchronous Generator Raw Materials

Table 158. Synchronous Generator Typical Distributors

Table 159. Synchronous Generator Typical Customers

## List Of Figures

### LIST OF FIGURES

- Figure 1. Synchronous Generator Picture
- Figure 2. Global Synchronous Generator Revenue by Type, (USD Million), 2021 & 2025 & 2032
- Figure 3. Global Synchronous Generator Revenue Market Share by Type in 2025
- Figure 4. Single Phase Examples
- Figure 5. Three Phase Examples
- Figure 6. Air-cooled Examples
- Figure 7. Hydrogen-cooled Examples
- Figure 8. Water-cooled Examples
- Figure 9. Hydro generator Examples
- Figure 10. Steam turbine generator Examples
- Figure 11. Gas turbine generator Examples
- Figure 12. Diesel generator Examples
- Figure 13. Global Synchronous Generator Consumption Value by Prime Mover, (USD Million), 2021 & 2025 & 2032
- Figure 14. Global Synchronous Generator Revenue Market Share by Prime Mover in 2025
- Figure 15. Marine Examples
- Figure 16. Chemical Examples
- Figure 17. Mining Examples
- Figure 18. Others Examples
- Figure 19. Global Synchronous Generator Consumption Value, (USD Million): 2021 & 2025 & 2032
- Figure 20. Global Synchronous Generator Consumption Value and Forecast (2021-2032) & (USD Million)
- Figure 21. Global Synchronous Generator Sales Quantity (2021-2032) & (Units)
- Figure 22. Global Synchronous Generator Price (2021-2032) & (US\$/Unit)
- Figure 23. Global Synchronous Generator Sales Quantity Market Share by Manufacturer in 2025
- Figure 24. Global Synchronous Generator Revenue Market Share by Manufacturer in 2025
- Figure 25. Producer Shipments of Synchronous Generator by Manufacturer Sales (\$MM) and Market Share (%): 2025
- Figure 26. Top 3 Synchronous Generator Manufacturer (Revenue) Market Share in 2025

Figure 27. Top 6 Synchronous Generator Manufacturer (Revenue) Market Share in 2025

Figure 28. Global Synchronous Generator Sales Quantity Market Share by Region (2021-2032)

Figure 29. Global Synchronous Generator Consumption Value Market Share by Region (2021-2032)

Figure 30. North America Synchronous Generator Consumption Value (2021-2032) & (USD Million)

Figure 31. Europe Synchronous Generator Consumption Value (2021-2032) & (USD Million)

Figure 32. Asia-Pacific Synchronous Generator Consumption Value (2021-2032) & (USD Million)

Figure 33. South America Synchronous Generator Consumption Value (2021-2032) & (USD Million)

Figure 34. Middle East & Africa Synchronous Generator Consumption Value (2021-2032) & (USD Million)

Figure 35. Global Synchronous Generator Sales Quantity Market Share by Type (2021-2032)

Figure 36. Global Synchronous Generator Consumption Value Market Share by Type (2021-2032)

Figure 37. Global Synchronous Generator Average Price by Type (2021-2032) & (US\$/Unit)

Figure 38. Global Synchronous Generator Sales Quantity Market Share by Prime Mover (2021-2032)

Figure 39. Global Synchronous Generator Revenue Market Share by Prime Mover (2021-2032)

Figure 40. Global Synchronous Generator Average Price by Prime Mover (2021-2032) & (US\$/Unit)

Figure 41. North America Synchronous Generator Sales Quantity Market Share by Type (2021-2032)

Figure 42. North America Synchronous Generator Sales Quantity Market Share by Prime Mover (2021-2032)

Figure 43. North America Synchronous Generator Sales Quantity Market Share by Country (2021-2032)

Figure 44. North America Synchronous Generator Consumption Value Market Share by Country (2021-2032)

Figure 45. United States Synchronous Generator Consumption Value (2021-2032) & (USD Million)

Figure 46. Canada Synchronous Generator Consumption Value (2021-2032) & (USD

Million)

Figure 47. Mexico Synchronous Generator Consumption Value (2021-2032) & (USD Million)

Figure 48. Europe Synchronous Generator Sales Quantity Market Share by Type (2021-2032)

Figure 49. Europe Synchronous Generator Sales Quantity Market Share by Prime Mover (2021-2032)

Figure 50. Europe Synchronous Generator Sales Quantity Market Share by Country (2021-2032)

Figure 51. Europe Synchronous Generator Consumption Value Market Share by Country (2021-2032)

Figure 52. Germany Synchronous Generator Consumption Value (2021-2032) & (USD Million)

Figure 53. France Synchronous Generator Consumption Value (2021-2032) & (USD Million)

Figure 54. United Kingdom Synchronous Generator Consumption Value (2021-2032) & (USD Million)

Figure 55. Russia Synchronous Generator Consumption Value (2021-2032) & (USD Million)

Figure 56. Italy Synchronous Generator Consumption Value (2021-2032) & (USD Million)

Figure 57. Asia-Pacific Synchronous Generator Sales Quantity Market Share by Type (2021-2032)

Figure 58. Asia-Pacific Synchronous Generator Sales Quantity Market Share by Prime Mover (2021-2032)

Figure 59. Asia-Pacific Synchronous Generator Sales Quantity Market Share by Region (2021-2032)

Figure 60. Asia-Pacific Synchronous Generator Consumption Value Market Share by Region (2021-2032)

Figure 61. China Synchronous Generator Consumption Value (2021-2032) & (USD Million)

Figure 62. Japan Synchronous Generator Consumption Value (2021-2032) & (USD Million)

Figure 63. South Korea Synchronous Generator Consumption Value (2021-2032) & (USD Million)

Figure 64. India Synchronous Generator Consumption Value (2021-2032) & (USD Million)

Figure 65. Southeast Asia Synchronous Generator Consumption Value (2021-2032) & (USD Million)

Figure 66. Australia Synchronous Generator Consumption Value (2021-2032) & (USD Million)

Figure 67. South America Synchronous Generator Sales Quantity Market Share by Type (2021-2032)

Figure 68. South America Synchronous Generator Sales Quantity Market Share by Prime Mover (2021-2032)

Figure 69. South America Synchronous Generator Sales Quantity Market Share by Country (2021-2032)

Figure 70. South America Synchronous Generator Consumption Value Market Share by Country (2021-2032)

Figure 71. Brazil Synchronous Generator Consumption Value (2021-2032) & (USD Million)

Figure 72. Argentina Synchronous Generator Consumption Value (2021-2032) & (USD Million)

Figure 73. Middle East & Africa Synchronous Generator Sales Quantity Market Share by Type (2021-2032)

Figure 74. Middle East & Africa Synchronous Generator Sales Quantity Market Share by Prime Mover (2021-2032)

Figure 75. Middle East & Africa Synchronous Generator Sales Quantity Market Share by Country (2021-2032)

Figure 76. Middle East & Africa Synchronous Generator Consumption Value Market Share by Country (2021-2032)

Figure 77. Turkey Synchronous Generator Consumption Value (2021-2032) & (USD Million)

Figure 78. Egypt Synchronous Generator Consumption Value (2021-2032) & (USD Million)

Figure 79. Saudi Arabia Synchronous Generator Consumption Value (2021-2032) & (USD Million)

Figure 80. South Africa Synchronous Generator Consumption Value (2021-2032) & (USD Million)

Figure 81. Synchronous Generator Market Drivers

Figure 82. Synchronous Generator Market Restraints

Figure 83. Synchronous Generator Market Trends

Figure 84. Porters Five Forces Analysis

Figure 85. Manufacturing Cost Structure Analysis of Synchronous Generator in 2025

Figure 86. Manufacturing Process Analysis of Synchronous Generator

Figure 87. Synchronous Generator Industrial Chain

Figure 88. Sales Channel: Direct to End-User vs Distributors

Figure 89. Direct Channel Pros & Cons

Figure 90. Indirect Channel Pros & Cons

Figure 91. Methodology

Figure 92. Research Process and Data Source

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