

Gas Insulated Commercial Switchgear Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2025 to 2034

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Abstracts

The Global Gas Insulated Commercial Switchgear Market, valued at USD 5.4 billion in 2024, is set to grow at a CAGR of 6.9% between 2025 and 2034. This growth is driven by the rising demand for energy-efficient and reliable power distribution systems. Gas-insulated switchgear (GIS) is increasingly favored for its compact design, safety features, and low maintenance requirements, making it an ideal choice for urban areas with limited space. The focus on modernizing electrical infrastructure and the surge in renewable energy investments are further propelling GIS adoption as a vital component in smart grids and energy transition strategies.

Supportive government policies emphasizing cleaner, safer, and more efficient energy solutions play a key role in the market's expansion. Moreover, ongoing advancements in GIS technology, such as improved gas insulation and automation, enhance its performance and appeal. As businesses and industries prioritize sustainability and grid modernization, the demand for GIS is expected to remain robust over the forecast period.

By voltage, the low-voltage segment is forecast to surpass USD 5 billion by 2034. This growth is attributed to the increasing need for reliable, compact power distribution solutions in commercial environments. Low-voltage gas-insulated switchgear is particularly well-suited for areas where space constraints and safety considerations are critical. The growing complexity of infrastructure in urban settings is further fueling demand for space-saving and efficient electrical systems.

In terms of current, the alternating current (AC) segment is projected to witness a CAGR of over 7% through 2034. This is due to its widespread use in commercial applications

requiring efficient and dependable power distribution systems. Industries with significant electrical load requirements are driving demand for AC-based systems, supported by the rapid expansion of commercial infrastructure globally.

The U.S. gas-insulated commercial switchgear market is expected to exceed USD 800 million by 2034. This growth stems from the rising need for reliable, compact, and efficient power systems across diverse sectors. Urbanization and infrastructure development are intensifying the demand for GIS, particularly in densely populated areas. Its compact design and superior efficiency make GIS a preferred solution for modern power distribution needs, helping to address the challenges of limited space and growing energy demands.

Contents

Report Content

CHAPTER 1 METHODOLOGY & SCOPE

- 1.1 Market definitions
- 1.2 Base estimates & calculations
- 1.3 Forecast calculation
- 1.4 Data sources
 - 1.4.1 Primary
 - 1.4.2 Secondary
 - 1.4.2.1 Paid
 - 1.4.2.2 Public

CHAPTER 2 EXECUTIVE SUMMARY

- 2.1 Industry synopsis, 2021 - 2034

CHAPTER 3 INDUSTRY INSIGHTS

- 3.1 Industry ecosystem analysis
- 3.2 Regulatory landscape
- 3.3 Industry impact forces
 - 3.3.1 Growth drivers
 - 3.3.2 Industry pitfalls & challenges
- 3.4 Growth potential analysis
- 3.5 Porter's analysis
 - 3.5.1 Bargaining power of suppliers
 - 3.5.2 Bargaining power of buyers
 - 3.5.3 Threat of new entrants
 - 3.5.4 Threat of substitutes
- 3.6 PESTEL analysis

CHAPTER 4 COMPETITIVE LANDSCAPE, 2024

- 4.1 Strategic dashboard
- 4.2 Innovation & sustainability landscape

CHAPTER 5 MARKET SIZE AND FORECAST, BY VOLTAGE, 2021 – 2034 (USD MILLION, '000 UNITS)

5.1 Key trends

5.2 Low

5.3 Medium

5.4 High

CHAPTER 6 MARKET SIZE AND FORECAST, BY CURRENT, 2021 – 2034 (USD MILLION, '000 UNITS)

6.1 Key trends

6.2 AC

6.3 DC

CHAPTER 7 MARKET SIZE AND FORECAST, BY REGION, 2021 – 2034 (USD MILLION, '000 UNITS)

7.1 Key trends

7.2 North America

7.2.1 U.S.

7.2.2 Canada

7.2.3 Mexico

7.3 Europe

7.3.1 UK

7.3.2 France

7.3.3 Germany

7.3.4 Italy

7.3.5 Russia

7.3.6 Spain

7.4 Asia Pacific

7.4.1 China

7.4.2 Australia

7.4.3 India

7.4.4 Japan

7.4.5 South Korea

7.5 Middle East & Africa

7.5.1 Saudi Arabia

7.5.2 UAE

- 7.5.3 Turkey
- 7.5.4 South Africa
- 7.5.5 Egypt
- 7.6 Latin America
 - 7.6.1 Brazil
 - 7.6.2 Argentina

CHAPTER 8 COMPANY PROFILES

- 8.1 ABB
- 8.2 Bharat Heavy Electricals
- 8.3 CG Power and Industrial Solutions
- 8.4 E + I Engineering
- 8.5 Eaton
- 8.6 Fuji Electric
- 8.7 General Electric
- 8.8 HD Hyundai Electric
- 8.9 Hitachi
- 8.10 Hyosung Heavy Industries
- 8.11 Lucy Group
- 8.12 Mitsubishi Electric
- 8.13 Ormazabal
- 8.14 Schneider Electric
- 8.15 Siemens
- 8.16 Skema
- 8.17 Toshiba

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