

Low Voltage Commercial Switchgear Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2025 – 2034

<https://marketpublishers.com/r/L063CECE04C0EN.html>

Date: November 2024

Pages: 100

Price: US\$ 4,850.00 (Single User License)

ID: L063CECE04C0EN

Abstracts

The Global Low Voltage Commercial Switchgear Market, valued at USD 10.2 billion in 2024, is expected to grow at a CAGR of 6.9% from 2025 to 2034. This growth is driven by increasing demand for efficient and reliable power distribution systems.

Advancements in technology, such as the adoption of digital switchgear with integrated monitoring and control capabilities, are further boosting market dynamics. Additionally, regulatory frameworks emphasizing building safety and energy efficiency encourage businesses to modernize their electrical infrastructure. The integration of renewable energy and smart grid technologies also plays a key role in shaping the market's trajectory.

The AC segment is projected to generate USD 17.5 billion by 2034, fueled by its critical role in ensuring reliable power distribution in commercial and industrial facilities. This segment benefits from expanding urban development and growing construction activities, especially in emerging economies. The increasing complexity of power needs in data centers and other infrastructure further drives the adoption of AC-based systems, which are known for their efficiency and safety.

Air-insulated switchgear segment in the low voltage commercial switchgear market is anticipated to grow at a CAGR of 6.5% through 2034. Its cost-effectiveness, ease of installation, and enhanced safety features make it an attractive option for commercial applications. The push for eco-friendly and sustainable solutions also contributes to its growing preference, as air-insulated systems avoid the use of SF6 gas, a greenhouse gas with a significant environmental impact.

U.S. low voltage commercial switchgear market is set to generate USD 3 billion by

2034. Modernization of electrical infrastructure, coupled with an increased focus on energy-efficient systems, is driving demand. As buildings and facilities adopt more complex energy systems, the need for advanced switchgear that ensures safety and reliability is rising. Government regulations and initiatives promoting sustainability and green building practices further accelerate this trend.

The market's growth is underpinned by technological innovation, regulatory support, and the ongoing transition to more sustainable energy practices. As urbanization and infrastructure development expand globally, the demand for advanced, efficient, and environmentally friendly low voltage switchgear solutions is expected to remain robust.

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 360° synopsis, 2021 – 2032

CHAPTER 3 INDUSTRY INSIGHTS

- 3.1 Industry ecosystem analysis
 - 3.1.1 Vendor Matrix
- 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, 2023

- 4.1 Strategic dashboard
- 4.2 Innovation & sustainability landscape

CHAPTER 5 MARKET SIZE AND FORECAST, BY CURRENT, 2021 – 2032 (USD MILLION, '000 UNITS)

5.1 Key trends

5.2 AC

5.3 DC

CHAPTER 6 MARKET SIZE AND FORECAST, BY INSULATION, 2021 – 2032 (USD MILLION, '000 UNITS)

6.1 Key trends

6.2 Air

6.3 Gas

6.4 Vacuum

6.5 Others

CHAPTER 7 MARKET SIZE AND FORECAST, BY REGION, 2021 – 2032 (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 Germany

7.3.3 France

7.3.4 Russia

7.3.5 Italy

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 Qatar
- 7.5.4 Oman
- 7.5.5 South Africa
- 7.5.6 Egypt
- 7.6 Latin America
 - 7.6.1 Brazil
 - 7.6.2 Peru
 - 7.6.3 Argentina

CHAPTER 8 COMPANY PROFILES

- 8.1 ABB
- 8.2 Chint Group
- 8.3 E + I Engineering
- 8.4 Eaton Corporation
- 8.5 Fuji Electric Co., Ltd.
- 8.6 Hitachi Ltd.
- 8.7 Hyosung Corporation
- 8.8 Hyundai Electric & Energy Systems Co., Ltd.
- 8.9 Lucy Group Ltd.
- 8.10 Mitsubishi Electric Corporation
- 8.11 Powell Industries
- 8.12 Regal Rexnord Corporation
- 8.13 Schneider Electric
- 8.14 Siemens
- 8.15 Skema S.p.A.

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