

Switchgear - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts (2025 - 2030)

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Report description:

Switchgear Market Analysis

The global switchgear market stood at USD 129.7 billion in 2025 and is forecast to reach USD 174.38 billion by 2030, advancing at a 6.10% CAGR. Intensifying electrification programs, record-high renewable build-outs, and a surge in data-center power density keep procurement volumes on an upward trajectory even in an inflationary environment. Mandatory SF₆ phase-outs in the European Union, multi-billion-dollar grid-resilience grants in the United States, and India's Revamped Distribution Sector Scheme collectively accelerate equipment replacement cycles. Supply constraints have pushed medium-voltage delivery lead times toward 48 weeks, yet utilities and hyperscale operators continue to prioritize orders as switchgear remains non-deferrable critical infrastructure. Established manufacturers with ready SF₆-free portfolios and domestic production footprints are capturing price premiums, widening the competitive gap against late movers.

Global Switchgear Market Trends and Insights

Expansion of Data-Center MV Indoor Switchgear Demand in NA and EU

Hyperscale operators are scaling single-site loads from 10-20 MW toward 100 MW, prompting 16% annual growth in medium-voltage indoor switchgear orders through 2030. Indoor gas-insulated designs cut required floor space by up to three-quarters, a critical benefit in land-constrained metro campuses. Developers are paying 50% delivery premiums to secure firm slots in congested production lines. Manufacturers with U.S. or European assembly plants have seized the advantage as

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import lead times stretch past 40 weeks. The focus on guaranteed logistics is redefining allocation strategies across the switchgear market.

EU F-Gas-Phase-Out Accelerating SF₆-Free GIS Procurement

Regulations end SF₆ use in medium-voltage equipment by 2026 and in high-voltage gear by 2030, compelling utilities to standardize on alternative gases. Early movers lock in supply of SF₆-free units 18-24 months ahead of deadlines, mitigating the risk of price surges. Hitachi Energy has already shipped 550 kV SF₆-free GIS, proving high-voltage readiness. Lifecycle savings from avoided gas handling and disposal offset higher up-front costs. The accelerated timetable is amplifying replacement demand inside the switchgear market.

SF₆-Free Interrupter Capacity Shortage (Lead-Times > 72 Weeks)

Vacuum and clean-air interrupters require precision metallurgy that existing SF₆ lines cannot replicate, extending production lead times to 72 weeks in Europe and North America. Utilities facing 2026 compliance deadlines are stockpiling conventional gear to hedge transition risk. Hitachi Energy's USD 155 million U.S. expansion will not be fully online for 18 months. The shortage creates a two-tier pricing environment where SF₆-free units command 30-40% premiums, squeezing capital budgets and slowing some modernization plans within the switchgear market.

Other drivers and restraints analyzed in the detailed report include:

India RDSS USD 40 Bn Outlay for Distribution Switchgear 2021-28 / Offshore-Wind 66 kV Array-Cable GIS Uptake in East Asia / Copper and CRGO Price Volatility Pressuring LV OEM Margins /

For complete list of drivers and restraints, kindly check the Table Of Contents.

Segment Analysis

Medium-voltage equipment is projected to outpace overall switchgear market growth with a 10.5% CAGR to 2030. Low-voltage assemblies still held the largest 44.3% share of the switchgear market size in 2024 owing to pervasive use in buildings and factories. Utilities are accelerating medium-voltage replacements to meet smart-grid mandates, and renewable interconnections require advanced protection schemes. Siemens' EUR 100 million Frankfurt upgrade focuses on SF₆-free medium-voltage lines, demonstrating how regulation steers capital. Emerging applications in EV charging hubs and battery storage escalate demand, while high-voltage and extra-high-voltage remain niche but command premium pricing.

This voltage stratification illustrates how the switchgear industry is balancing ubiquitous low-voltage needs with fast-growing medium-voltage niches. Established OEMs leverage decades of field data to refine arc-flash mitigation and digital sensors that enhance condition monitoring. New entrants confront daunting certification hurdles, especially in medium-voltage ranges tied to utility safety standards. The up-cycle in replacement investments positions the switchgear market for sustained revenue expansion.

Indoor gear captured 60% of 2024 revenue and remains the default in space-constrained urban grids. Gas-insulated technology makes indoor adoption feasible by shrinking footprints by up to 75%. Outdoor assemblies, however, are forecast to grow at 6.2% CAGR as climate-change resilience becomes a priority and utilities harden exposed substations with pad-mounted solutions qualifying for IJJA funding.

In the switchgear market, installers weigh higher enclosure costs against reduced civil works when choosing indoor routes. Rural

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feeders increasingly favor outdoor or pole-mounted variants that eliminate building shells. Weatherproof ratings and modular skid designs allow rapid rollouts for renewable clusters. While cost-down pressures persist, lifecycle analyses show that sealed indoor GIS units cut maintenance visits, creating a total-cost-of-ownership advantage over 25 years.

Switchgear Market Report is Segmented by Voltage Level (Low, Medium, and More), Insulation (Gas-Insulated, and More), Installation (Indoor, and More), Current Type (AC Switchgear, DC Switchgear), End-User (T&D Utilities, Industrial-Process and Manufacturing, and More), Application (Substation Primary Equipment, Renewable Plant Collection Grids, and More), and Geography. The Market Forecasts are Provided in Terms of Value (USD).

Geography Analysis

Asia-Pacific held 45% of 2024 revenue, underpinned by China's scale, India's RDSS pipeline, and Japan's high-specification niches. Local content rules and rapid renewable deployments sustain factory utilization and incentivize regional R&D hubs. Capacity expansions announced by global OEMs in China and India confirm the region's centrality to the switchgear market.

The Middle East and Africa is forecast to expand at 6.3% CAGR to 2030. GCC megaprojects such as NEOM, along with nationwide electrification in Sub-Saharan Africa, demand ruggedized gear for hot, dusty climates. Import reliance presents opportunities for partnerships and assembly JV structures, as evidenced by Schneider Electric's South African footprint.

North America and Europe are largely replacement markets but benefit from policy-driven tailwinds. The IJJA's USD 10.5 billion GRIP awards and the EU's SF? ban accelerate ordering cycles. Domestic production investments by Hitachi Energy, Eaton, and Mitsubishi Electric aim to close logistical gaps and maintain delivery promises. High regulatory standards and aging grid assets ensure stable demand streams within these mature yet technologically progressive regions of the switchgear market.

List of Companies Covered in this Report:

Schneider Electric SE / Siemens AG / ABB Ltd / Mitsubishi Electric Corp. / Eaton Corp. / General Electric Co. / Toshiba Energy Systems & Solutions / Hitachi Energy Ltd / Hyundai Electric & Energy Systems / LS Electric Co. / NOJA Power Switchgear Pty / Powell Industries Inc. / Fuji Electric Co. / CG Power & Industrial Solutions / Hubbell Inc. / Havells India Ltd / Meidensha Corp. / ZPUE S.A. / Orecco Electric Co. / Switchgear Company NV / Siemens Energy AG / Rockwell Automation (Disconnect/Rotary) / Schneider Energy Automation (EboB) /

Additional Benefits:

The market estimate (ME) sheet in Excel format /
3 months of analyst support /

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