

Innovation and Automation Drive Growth in North America Electric Control Panel Market

Smart grids and smart cities are boosting demand for advanced electric control panels, essential for efficient energy management, monitoring, and grid stability

WILMINGTON, DE, UNITED STATES, March 3, 2025 /EINPresswire.com/ -- Allied Market Research published a report, titled, "[North America Electric Control Panel Market](#) by Type (Power and Control (Motor Control Center (MCC), VFD Panel, and Soft Starter Panel), DG Control (AMF Panel, and DG Synchronizing Panel), Power and

Distribution (Power Control Center (PCC), Automatic Power Factor Correction Panel (APFC), and Bus Ducts), Automation and Instrumentation (PLC Panel, and Instrument Panel, SOV Panel), By Voltage (Medium, High, and Low), Application (Manufacturing and Industrial Automation, Commercial, Power Generation, Residential, Agriculture, and Others), and Country (U.S., Canada,

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The North America electric control panel market grows with data centers and IT sector expansion, but complex installation hinders progress. Smart panel innovation offers new growth opportunities.”

Allied Market Research



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and Mexico): Opportunity Analysis and Industry Forecast, 2024-2033”. According to the report, the North America electric control panel market was valued at \$1.6 billion in 2023 and is projected to reach \$2.8 billion by 2033, growing at a CAGR of 5.9% from 2024 to 2033.

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Prime determinants of growth

The rising infrastructure development, particularly in the

smart cities, is the key drivers behind the increasing demand for electric control panels. As urban areas continue to grow and evolve, cities are adopting smart technologies to improve the quality of life for residents, optimize resource management, and enhance the efficiency of public

services. However, the upfront cost of purchasing and installing advanced electric control panels is expected to hamper the growth of market. Moreover, the rise in smart homes and buildings is expected to provide lucrative opportunities in the market.

The power and distribution segment is expected to lead the trial by 2033.

Based on the type, the power and distribution segment held the highest market share in 2023, accounting one-third of the North America electric control panel market revenue and is likely to retain its dominance throughout the forecast period. In the power generation sector, control panels are used extensively in conventional power plants and renewable energy facilities. They facilitate the monitoring and control of power generation units, ensuring that electricity is generated and transmitted at optimal levels. The growing adoption of renewable energy sources like solar and wind in North America has further accelerated the demand for advanced control panels. These systems are designed to manage fluctuating power outputs typical of renewable energy, integrating them into the grid efficiently.

The medium segment is expected to dominate the trial by 2033.

Based on voltage, medium voltage segment dominated the North America electric control panel market in 2023. In medium voltage control panels are crucial for operating heavy machinery and managing energy efficiency. Industries such as oil and gas, steel, and automotive manufacturing rely on these panels to ensure stable and reliable power supply. Additionally, the rising adoption of renewable energy sources has further driven demand for medium voltage control panels. They are integral to managing the integration of solar and wind power into the grid, ensuring efficient energy transmission and system protection. Commercial buildings, including shopping complexes, hospitals, and data centers, also benefit significantly from medium voltage control panels. These panels support uninterrupted power supply and enable the implementation of advanced energy management systems.

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The Manufacturing and Industrial Automation segment dominated the market in 2023.

On the basis of application, manufacturing and industrial dominated the North America electric control panel market in 2023. the industrial sector in North America leverages electric control panels to meet the growing need for renewable energy integration and sustainable operations. Panels designed for compatibility with solar and wind energy systems are increasingly utilized in manufacturing facilities aiming to reduce carbon footprints. Moreover, industries with high energy demands rely on these panels for managing complex electrical networks while ensuring compliance with regional standards like UL and CSA certifications. Smart factories and industrial automation systems rely heavily on control panels equipped with programmable logic controllers (PLCs) and human-machine interfaces (HMIs) to facilitate real-time data analysis, remote monitoring, and seamless integration of IoT devices. These capabilities have become critical for manufacturers aiming to reduce downtime, optimize energy usage, and adhere to stringent safety and environmental regulations.

U.S. country dominated the North America Electric Control Panel Market in 2023.

In industrial sectors, control panels are widely used to manage machinery, production lines, and power distribution systems. Industries like manufacturing, oil and gas, and automotive heavily rely on advanced control panels for automating processes, reducing downtime, and maintaining safety standards. The integration of programmable logic controllers (PLCs) and human-machine interfaces (HMIs) within these panels has further enhanced their functionality, enabling real-time monitoring and remote operation. In commercial buildings, control panels are used for efficient management of lighting, HVAC systems, and security systems. With the rise of smart home technologies, residential usage has also seen significant growth. Panels equipped with Internet of Things (IoT) capabilities are enabling homeowners to control appliances, monitor energy consumption, and improve energy efficiency.

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Players: -

- ABB Ltd
- Eaton
- Electra-Tech
- INDUSTLABS
- Keltour Controls Inc
- Paneltronics
- Power Industrial Controls
- Rockwell Automation Inc.
- Schneider Electric
- WEG

The report provides a detailed analysis of these [key players](#) in the North America electric control panel market. These players have adopted different strategies such as new product launches, collaborations, expansion, joint ventures, agreements, and others to increase their market share and maintain dominant shares in different regions. The report is valuable in highlighting business performance, operating segments, product portfolio, and strategic moves of market players to showcase the competitive scenario.

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