

North America Electric Control Panel Market to Reach \$2.8 Billion by 2033 | Automation & Energy Growth Drive Demand

▣ *North America Electric Control Panel Market Surges with 5.9% CAGR Through 2033, Says Allied Market Research*

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According to a new report from Allied Market Research titled “[North America Electric Control Panel Market](#) Type, Voltage, Application, and Country: Opportunity Analysis and Industry Forecast, 2023–2033”, 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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North America electric control panel market to hit \$2.8B by 2033, driven by automation, energy, and industrial growth.”

Allied Market Research

Introduction: Powering Modern Industry

An electric control panel is a vital component in industrial, commercial, and residential electrical systems. It regulates and controls electricity flow within a defined system or application, housing devices like [circuit breakers](#), relays, transformers, switches, and controllers. Built for safety, efficiency, and reliability, these panels act as the central

hub for managing and monitoring electrical systems.

In North America, electric control panel are widely used across manufacturing, energy, construction, and technology sectors. They comply with strict standards from the National Electrical Manufacturers Association (NEMA), Underwriters Laboratories (UL), and the Canadian Standards Association (CSA)—ensuring durability, safety, and environmental compatibility.

Industries such as automotive, food processing, pharmaceuticals, and oil & gas rely heavily on these panels for process automation, productivity enhancement, and safety assurance. For instance, Programmable Logic Controller (PLC) panels offer scalable, precise control for manufacturing equipment and processes.

Market Dynamics: Drivers and Challenges

Growth Drivers □

The increasing adoption of industrial automation is a primary growth driver. In manufacturing, oil & gas, and energy sectors, electric control panels improve efficiency, precision, and productivity while cutting operational costs. These panels allow real-time monitoring, coordination, and optimization of machinery and sensors, ensuring seamless communication across industrial systems.

In manufacturing, they control automated assembly lines, robotic systems, and quality control, reducing downtime and human error. In oil & gas, they maintain safety and optimize drilling, refining, and distribution processes, even in remote environments.

Notably, in October 2023, Rockwell Automation and Microsoft expanded their partnership to leverage generative AI—boosting productivity, accelerating time-to-market, and enhancing industrial automation system development.

Challenges □□

Complex installation and maintenance requirements remain a barrier. Setting up [electric control panels](#) demands skilled technicians with expertise in electrical systems, automation, and control technologies. A shortage of such trained professionals, especially in areas with limited technical resources, hampers market growth. The growing integration of IoT, smart grids, and energy management systems further increases the need for specialized knowledge.

Procure This Report (126 Pages PDF with Insights, Charts, Tables, and Figures):

<https://www.alliedmarketresearch.com/checkout-final/f2c891892d1cea29590783539f04d7f2>

Market Segmentation: Insights by Type, Voltage, and Application

By Type

The market is segmented into:

Power and Control (Motor Control Center, VFD Panel, Soft Starter Panel)

DG Control (AMF Panel, DG Synchronizing Panel)

Power and Distribution (Power Control Center, Automatic Power Factor Correction Panel, Bus Ducts)

Automation and Instrumentation (PLC Panel, Instrument Panel, SOV Panel)

The Power and Distribution segment dominates, managing electricity from source to end-users. These panels enable real-time load balancing, prevent overloads, and provide fault protection by automatically isolating affected network sections.

By Voltage

The market is divided into Medium, High, and Low voltage categories.

Medium voltage panels (1kV to 36kV) lead the market with a 6.3% CAGR, offering centralized control for transformers, circuit breakers, and switchgear in industrial facilities, power stations, and substations.

By Application

Applications include Manufacturing & Industrial Automation, Commercial, Power Generation, Residential, Agriculture, and Others.

Manufacturing & Industrial Automation holds the largest share and is expected to grow at a 6.4% CAGR, driven by robotics, process optimization, and efficiency goals.

By Country

The United States leads the regional market, holding over one-third of the share in 2023, with a projected CAGR of 6.1% through 2033.

Competitive Landscape

Key market players include:

ABB Ltd

Eaton

Electra-Tech

INDUSTLABS

Keltour Controls Inc

Paneltronics

Power Industrial Controls

Rockwell Automation Inc.

Schneider Electric

WEG

These companies are innovating with automation, AI integration, and sustainable energy solutions to gain a competitive edge.

Key Findings □

Type: Power and distribution segment held the highest share (one-fourth of market) in 2023.

Voltage: Medium segment dominated with over one-third share.

Application: Manufacturing & industrial automation segment projected to see the fastest growth (6.4% CAGR).

Country: U.S. led with over one-third share in 2023, expected to maintain dominance.

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Conclusion

The North America electric control panel market is on a solid growth trajectory, fueled by automation trends, energy sector expansion, and industrial modernization. While skilled labor shortages and installation complexity pose challenges, technological advancements and strategic collaborations are expected to drive long-term growth.

With its crucial role in powering modern infrastructure and industry, the electric control panel sector will remain an essential part of North America's technological and economic landscape through 2033.

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David Correa

Allied Market Research

+ + 1 800-792-5285

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