

# Surge Protector Market to Hit \$6.8 Billion by 2030, Driven by Rising Demand for Electrical Safety

▣ *Surge Protector Market to Reach \$6.8 Billion by 2030, Driven by Rising Electrical Equipment Usage*

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The global [surge protector market](#) is on a strong growth trajectory. According to a report by Allied Market Research, the market size was valued at \$3.9 billion in 2020 and is projected to reach \$6.8 billion by 2030, growing at a compound annual growth rate (CAGR) of 5.4% from 2021 to 2030.



A surge protector is a device engineered to safeguard electronic appliances from voltage spikes by diverting or blocking excessive current to the ground. As global reliance on electronics continues to rise in both residential and industrial sectors, the demand for reliable surge protection is more important than ever.



Global surge protector market to reach \$6.8 billion by 2030, fueled by demand for electrical safety across industries and homes.”

*Allied Market Research*

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▣ What Is Driving Surge Protector Market Growth?

The surge protector market is seeing significant growth due to multiple converging factors:

▣ Increased Use of Electronics in Residential and Commercial Spaces

As the number of electronic devices in homes and businesses continues to grow—ranging from

smart appliances to sensitive communication systems—so does the need for voltage protection. Surge protectors have become essential in ensuring device longevity and user safety.

#### □ Industrial Dependence on High-End Equipment

In industries where downtime due to power surges can result in massive financial losses, whole-house and industrial surge protectors are increasingly adopted. In fact, the industrial segment accounted for 49.3% of the total surge protector market share in 2020.

#### □ Power Supply Instabilities in Developing Nations

Unstable grid conditions in developing economies have led to frequent voltage fluctuations and blackouts. This has made surge protectors a basic necessity in both urban and rural regions, contributing to overall market expansion.

#### □ Growth in Renewable Energy and EV Infrastructure

The rise of [solar panels](#), wind energy systems, and EV charging stations requires advanced surge protection mechanisms to prevent damage from lightning or other transient overvoltages.

#### □ Regional Market Insights

North America led the surge protector market in 2020 and is expected to maintain dominance, growing at the highest CAGR through 2030. This growth is driven by increased consumer electronics adoption, tightened electrical safety standards, and widespread awareness regarding surge protection technologies.

Other regions such as Asia-Pacific and Europe are witnessing rapid industrialization and urbanization, which contribute significantly to regional demand.

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#### □ Market Segmentation Overview

##### □ By Type:

**Type 1 Surge Protectors:** Installed at the main electrical panel; best suited for external power surges such as lightning strikes. Accounted for 43.8% market share in 2020 and expected to grow at a CAGR of 5.2%.

**Type 2 & Type 3 Surge Protectors:** Provide layered protection at subpanels or outlets, ideal for internal surges caused by household or industrial devices.

□ By Voltage:

Low

Medium

High Voltage Surge Protectors

□ By Application:

Residential

Commercial

Industrial (largest revenue contributor due to high equipment sensitivity)

□ By Sales Channel:

Online (fastest-growing, projected CAGR of 5.6%)

Offline

□□ Types of Surge Protectors in Demand

Power Strip Surge Protectors: Common in households; combine multiple outlets with basic surge protection.

Whole-House Surge Protectors: Installed at the service entrance for full-home protection.

Industrial Surge Protectors: Heavy-duty variants designed for factories and commercial setups.

Data Line Surge Protectors: Used to safeguard Ethernet, telephone, and coaxial lines from electrical surges.

□ Emerging Market Trends

□ Growing Consumer Awareness

Public awareness campaigns and educational initiatives about the risks of voltage spikes are encouraging greater adoption across both urban and rural sectors.

□ Technological Innovations

The integration of smart features, such as remote monitoring and self-diagnostics, is revolutionizing the surge protection landscape.

## □ Regulatory Push

Stricter electrical codes and safety standards across developed markets are making surge protection mandatory in new construction and renovation projects.

## □ Challenges Hindering Market Growth

While the future appears promising, some factors may hinder growth:

Lack of awareness in small and medium-sized businesses

Competition from stable power supply technologies, which reduce the perceived need for surge protection

## □ Top Players in the Surge Protector Market

Prominent companies operating in the global [surge protector industry](#) include:

ABB Ltd.

Eaton Corporation

General Electric

Schneider Electric

Honeywell

Siemens AG

Legrand

Havells

Vertiv Group Corp.

Johnson Controls

These companies are launching advanced models for industrial, residential, and renewable energy applications.

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## □ Conclusion

The surge protector market is witnessing robust growth as electrical safety becomes a global priority. With the rising use of connected devices, renewable energy systems, and industrial automation, demand for effective surge protection is expected to soar.

As manufacturers innovate with smart surge protectors and advanced monitoring systems, the industry is poised to play a vital role in ensuring uninterrupted power and equipment reliability worldwide. The decade ahead promises not just growth but transformation — as surge protection becomes an integral part of every modern electrical network.

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Pawan Kumar, the CEO of Allied Market Research, is leading the organization toward providing high-quality data and insights. We are in professional corporate relations with various companies and this helps us in digging out market data that helps us generate accurate research data tables and confirms utmost accuracy in our market forecasting. Each and every data presented in the reports published by us is extracted through primary interviews with top officials from leading companies of domain concerned. Our secondary data procurement methodology includes deep online and offline research and discussion with knowledgeable professionals and analysts in the industry.

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