

Type 2 Commercial Surge Protection Devices Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2025 - 2034

<https://marketpublishers.com/r/TF1D86756BC5EN.html>

Date: March 2025

Pages: 145

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

ID: TF1D86756BC5EN

Abstracts

The Global Type 2 Commercial Surge Protection Devices Market was valued at USD 628 million in 2024 and is projected to grow at a CAGR of 6.2% between 2025 and 2034. The increasing need to safeguard electrical systems from disruptions such as financial losses, equipment damage, and data corruption due to power surges is a major factor driving market growth. Power surges caused by transient overvoltage events - resulting from lightning strikes, switching operations, or other electrical disturbances - pose significant risks to commercial infrastructures. Type 2 surge protection devices play a critical role in mitigating these risks by preventing prolonged voltage increases and safely redirecting excess voltage to the ground, ensuring the protection of sensitive electronic equipment.

With the rapid expansion of renewable energy projects and the deployment of smart grid technologies, the demand for surge protection devices is expected to surge. Businesses are increasingly investing in these devices to ensure operational continuity and protect valuable assets from power irregularities. Furthermore, the global shift toward automation, driven by the adoption of IoT-enabled devices and smart building technologies, is contributing to the widespread use of advanced surge protection solutions. Stringent regulations mandating electrical safety compliance across commercial facilities are further fueling the market's expansion. As industries continue to modernize their infrastructures, the reliance on robust electrical protection mechanisms will continue to rise, propelling market growth through the forecast period.

The market is segmented by product type into hard-wired, plug-in, line cord, and power control devices. Among these, plug-in surge protection devices accounted for USD 250 million in revenue in 2024. Their growing popularity is attributed to their faster response

times and advanced voltage clamping capabilities, making them a preferred choice for commercial applications. As businesses integrate more sophisticated electrical systems, the demand for reliable surge protection solutions will increase. Additionally, as enterprises expand their digital infrastructure and rely more on cloud computing and data centers, the need for high-performance surge protection devices will become paramount.

By power rating, the market is classified into four categories: ≤ 50 kA, > 50 kA to 100 kA, > 100 kA to 150 kA, and > 150 kA. Surge protection devices rated above 150 kA are expected to lead the market, holding a 29.8% share in 2024. The increasing deployment of advanced smart systems that require higher current ratings for critical equipment protection is driving the demand for these high-capacity devices. Additionally, the market for devices rated between 50 kA and 100 kA is experiencing significant growth as businesses across various industries face frequent power surges and comply with evolving safety regulations.

Europe Type 2 commercial surge protection devices market is set to generate USD 300 million by 2034, driven by a heightened focus on electrical safety, adherence to international standards, and rapid advancements in the IT and telecom industries. Governments in key regions are enforcing stricter regulatory policies, ensuring the widespread adoption of surge protection devices in commercial properties. With the increasing integration of smart grids, IoT-driven automation, and digital transformation strategies, the demand for advanced surge protection solutions is expected to accelerate, securing the market's steady growth trajectory in the coming years.

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