

Europe Surge Arrester Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2025 - 2034

<https://marketpublishers.com/r/E0721A03DF2EEN.html>

Date: April 2025

Pages: 125

Price: US\$ 3,250.00 (Single User License)

ID: E0721A03DF2EEN

Abstracts

Europe Surge Arrester Market was valued at USD 442.8 million in 2024 and is estimated to grow at a CAGR of 5.4% to reach USD 756.9 million by 2034. This growth is driven by the region's ongoing investments in grid modernization, the integration of renewable energy sources, and the increasing demand for reliable, resilient power infrastructure. As European energy policies become stricter and electrification demands rise, the need for high-quality overvoltage protection systems has never been greater. The surge in demand for surge arresters spans utilities and industrial sectors, largely due to compliance with stringent European safety standards and environmental regulations. Furthermore, the growing adoption of smart technologies within energy systems boosts the need for advanced surge protection solutions to ensure a consistent and secure energy flow, safeguard sensitive equipment, and enhance grid performance. This steady market expansion reflects Europe's commitment to sustainable energy solutions and secure, uninterrupted electricity supply, creating a dynamic landscape for surge arrester innovation.

The medium voltage surge arrester segment is projected to generate USD 311.5 million by 2034. This surge in demand is attributed to their widespread adoption in industrial and utility applications, where reliability and power distribution stability are critical. As industries seek compact, low-maintenance, and eco-friendly solutions that align with EU standards, this segment is poised for continued growth. Their role in critical applications is bolstered by an increasing emphasis on operational efficiency and safety in environments prone to power fluctuations and instability.

On the other hand, low voltage surge arresters are becoming increasingly popular, particularly in the growing number of smart construction projects across urban centers.

With intelligent building systems and a greater reliance on sensitive electronics, the demand for high-performance surge protection devices continues to rise. The expansion of modern infrastructure, along with the increasing adoption of digital connectivity, underscores the necessity for reliable systems to protect appliances and networks from voltage spikes. This trend is particularly evident in commercial and residential sectors, where seamless power management is becoming a key expectation.

In 2024, the outdoor utility segment held a 34% share of the market and is expected to grow at a rate of 5% through 2034. As electricity grids evolve through digital transformation, outdoor installations require durable, high-efficiency surge protection. Industrial users, too, are rapidly adopting medium voltage solutions to facilitate smooth and automated operations. The growing combination of urban grid expansion and increasing automation across various sectors remains a key driver for this segment.

The UK Surge Arrester Market made significant progress from 2022 to 2024, reaching a valuation of USD 69.1 million in 2024, with expectations to hit USD 110 million by 2034. Investments in green energy, modern grid frameworks, and advanced infrastructure are fueling this growth. The shift toward compact and smart surge protection solutions is clear, with widespread adoption seen across residential, industrial, and public sector projects, particularly as electric vehicle infrastructure and digital substations become more prevalent.

To maintain a competitive edge, prominent players such as Phoenix Contact, Siemens Energy, Hitachi Energy, Eaton, ABB, Raycap, Elpro, Hubbell, General Electric, INAEL, INDELEC, TOSHIBA, TDK Electronics, CHINT Group, DEHN, ETI Elektroelement, CG Power & Industrial Solutions, L&T Electrical & Automation, and Ensto are focusing on product innovation, expanding R&D efforts, and forming strategic partnerships. These companies are launching smart, eco-friendly, and maintenance-free surge protection solutions designed to meet the evolving demands of the energy landscape.

Contents

CHAPTER 1 METHODOLOGY & SCOPE

- 1.1 Market definitions
- 1.2 Base estimates & calculations
- 1.3 Forecast calculation
- 1.4 Data sources
 - 1.4.1 Primary
 - 1.4.2 Secondary
 - 1.4.2.1 Paid
 - 1.4.2.2 Public

CHAPTER 2 INDUSTRY INSIGHTS

- 2.1 Industry ecosystem analysis
- 2.2 Regulatory landscape
- 2.3 Industry impact forces
 - 2.3.1 Growth drivers
 - 2.3.2 Industry pitfalls & challenges
- 2.4 Growth potential analysis
- 2.5 Porter's analysis
 - 2.5.1 Bargaining power of suppliers
 - 2.5.2 Bargaining power of buyers
 - 2.5.3 Threat of new entrants
 - 2.5.4 Threat of substitutes
- 2.6 PESTEL analysis

CHAPTER 3 COMPETITIVE LANDSCAPE, 2024

- 3.1 Strategic dashboard
- 3.2 Innovation & sustainability landscape

CHAPTER 4 MARKET SIZE AND FORECAST, BY VOLTAGE, 2021 - 2034 (USD MILLION, '000 UNITS)

- 4.1 Key trends
- 4.2 Low
- 4.3 Medium

4.4 High

CHAPTER 5 MARKET SIZE AND FORECAST, BY CLASS, 2021 - 2034 (USD MILLION, '000 UNITS)

5.1 Key trends

5.2 Distribution

5.3 Intermediate

5.4 Station

CHAPTER 6 MARKET SIZE AND FORECAST, BY MATERIAL, 2021 - 2034 (USD MILLION, '000 UNITS)

6.1 Key trends

6.2 Polymer

6.3 Porcelain

CHAPTER 7 MARKET SIZE AND FORECAST, BY APPLICATION, 2021 - 2034 (USD MILLION, '000 UNITS)

7.1 Key trends

7.2 Residential & commercial

7.3 Industrial

7.4 Utility

CHAPTER 8 MARKET SIZE AND FORECAST, BY COUNTRY, 2021 - 2034 (USD MILLION, '000 UNITS)

8.1 Key trends

8.2 UK

8.3 Germany

8.4 France

8.5 Italy

8.6 Spain

CHAPTER 9 PROFILES

9.1 ABB

9.2 CG Power & Industrial Solutions

- 9.3 CHINT Group
- 9.4 DEHN
- 9.5 Eaton
- 9.6 Elpro
- 9.7 Ensto
- 9.8 ETI Elektroelement
- 9.9 General Electric
- 9.10 Hitachi Energy
- 9.11 Hubbell
- 9.12 INAEL
- 9.13 INDELEC
- 9.14 L&T Electrical & Automation
- 9.15 Phoenix Contact
- 9.16 Raycap
- 9.17 Siemens Energy
- 9.18 TDK Electronics
- 9.19 TOSHIBA

I would like to order

Product name: Europe Surge Arrester Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2025 - 2034

Product link: <https://marketpublishers.com/r/E0721A03DF2EEN.html>

Price: US\$ 3,250.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/E0721A03DF2EEN.html>