

# Surge Arrester Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2025 – 2034

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## Abstracts

The Global Surge Arrester Market reached USD 1.8 billion in 2024 and is projected to grow at a CAGR of 4.8% from 2025 to 2034. This growth is attributed to the rising demand for uninterrupted power supply, significant investments in power infrastructure, and the increasing deployment of renewable energy sources susceptible to voltage fluctuations. The market is further bolstered by advancements in industrial automation, the adoption of smart grid technologies, and stringent regulations emphasizing power quality and safety standards.

The medium-voltage segment is anticipated to contribute USD 1.2 billion to the market by 2034. The growing need for robust power protection solutions in industrial and commercial applications is a key driver for this segment. The expansion of power generation and distribution systems, coupled with the rising integration of renewable energy, underlines the importance of reliable surge protection. Additionally, the prevalence of extreme weather events intensifies the need for durable electrical infrastructure. The adoption of smart grids, which demand advanced voltage spike protection, and increased infrastructure development in emerging economies further accelerate segment growth.

In the utility sector, the surge arrester market is expected to grow at a CAGR of 4% through 2034. The expansion of utility networks and grid infrastructure, combined with the integration of renewable energy, highlights the critical need for surge protection. Extreme weather conditions, including storms and lightning, continue to pose challenges to power systems, driving the demand for advanced protection technologies. Modernization efforts focused on aging power infrastructure and the increasing adoption of smart grid solutions are key contributors to segment growth, as utilities prioritize safeguarding essential assets.

U.S. surge arrester market is poised to reach USD 2.9 billion by 2034, driven by initiatives to modernize power infrastructure and enhance grid reliability. Factors such as the integration of renewable energy, the expansion of smart grids, and the rising frequency of severe weather conditions are major growth catalysts. The growing need for dependable electrical systems in critical industries, including healthcare and technology, further supports the market's upward trajectory.

## Contents

### Report Content

#### **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 EXECUTIVE SUMMARY**

- 2.1 Industry synopsis, 2021 - 2034

#### **CHAPTER 3 INDUSTRY INSIGHTS**

- 3.1 Industry ecosystem analysis
- 3.2 Regulatory landscape
- 3.3 Industry impact forces
  - 3.3.1 Growth drivers
  - 3.3.2 Industry pitfalls & challenges
- 3.4 Growth potential analysis
- 3.5 Porter's analysis
  - 3.5.1 Bargaining power of suppliers
  - 3.5.2 Bargaining power of buyers
  - 3.5.3 Threat of new entrants
  - 3.5.4 Threat of substitutes
- 3.6 PESTEL analysis

#### **CHAPTER 4 COMPETITIVE LANDSCAPE, 2024**

- 4.1 Strategic dashboard
- 4.2 Innovation & sustainability landscape

## **CHAPTER 5 MARKET SIZE AND FORECAST, BY VOLTAGE, 2021 – 2034 ('000 UNITS, USD MILLION)**

5.1 Key trends

5.2 Low

5.3 Medium

5.4 High

## **CHAPTER 6 MARKET SIZE AND FORECAST, BY CLASS, 2021 – 2034 ('000 UNITS, USD MILLION)**

6.1 Key trends

6.2 Distribution

6.3 Intermediate

6.4 Station

## **CHAPTER 7 MARKET SIZE AND FORECAST, BY MATERIAL, 2021 – 2034 ('000 UNITS, USD MILLION)**

7.1 Key trends

7.2 Polymer

7.3 Porcelain

## **CHAPTER 8 MARKET SIZE AND FORECAST, BY APPLICATION, 2021 – 2034 ('000 UNITS, USD MILLION)**

8.1 Key trends

8.2 Residential & commercial

8.3 Industrial

8.4 Utility

## **CHAPTER 9 MARKET SIZE AND FORECAST, BY REGION, 2021 – 2034 ('000 UNITS, USD MILLION)**

9.1 Key trends

9.2 North America

9.2.1 U.S.

9.2.2 Canada

9.2.3 Mexico

## 9.3 Europe

### 9.3.1 UK

### 9.3.2 Germany

### 9.3.3 France

### 9.3.4 Italy

### 9.3.5 Spain

## 9.4 Asia Pacific

### 9.4.1 China

### 9.4.2 Japan

### 9.4.3 India

### 9.4.4 South Korea

### 9.4.5 Australia

## 9.5 Middle East & Africa

### 9.5.1 Saudi Arabia

### 9.5.2 UAE

### 9.5.3 Qatar

### 9.5.4 South Africa

## 9.6 Latin America

### 9.6.1 Brazil

### 9.6.2 Argentina

## **CHAPTER 10 COMPANY PROFILES**

### 10.1 ABB

### 10.2 CHINT Group

### 10.3 CG Power & Industrial Solutions

### 10.4 DEHN

### 10.5 Eaton

### 10.6 Elpro

### 10.7 Ensto

### 10.8 General Electric

### 10.9 Hubbell

### 10.10 INAEL

### 10.11 Izoelektro

### 10.12 Siemens Energy

### 10.13 Surgetek

### 10.14 TDK Electronics

### 10.15 TE Connectivity

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