

# Global Surge Protection Box Supply, Demand and Key Producers, 2026-2032

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## Abstracts

The global Surge Protection Box market size is expected to reach \$ 1735 million by 2032, rising at a market growth of 7.4% CAGR during the forecast period (2026-2032). In 2025, global production of surge protection boxes reached approximately 2.43 million units, based on an average market price of around US\$ 420 per unit. Industry gross profit margins generally ranged from 28% to 45%, reflecting value added from protection level design, enclosure reliability, and compliance with electrical safety standards. Global production capacity in 2025 was estimated at about 3.04 million units, indicating sufficient manufacturing capability to support demand from power distribution and electronic protection applications.

Surge protection boxes are electrical protection enclosures designed to house surge protective devices that divert transient overvoltage caused by lightning strikes or switching events. They provide coordinated protection for power and signal lines, helping prevent damage to electrical equipment and systems.

The industrial chain includes upstream surge protective components, metal or plastic enclosures, terminals, and wiring accessories. The midstream focuses on box assembly, internal wiring, testing, and certification. Downstream applications mainly involve power distribution systems, industrial facilities, commercial buildings, telecommunications infrastructure, and renewable energy installations.

The surge protection box market is expanding steadily as electrical systems become more complex and sensitive to transient overvoltage events. Growth is driven by increasing deployment of electronic equipment, expansion of renewable energy installations, and stricter electrical safety regulations. Surge protection boxes play a critical role in safeguarding power distribution and communication systems by providing coordinated and reliable overvoltage protection. Technological improvements in surge protective components, enclosure materials, and modular design are enhancing protection performance and installation flexibility. During 2026-2032, supported by

infrastructure investment, grid modernization, and rising awareness of equipment protection, the surge protection box market is expected to maintain stable growth across industrial and commercial sectors.

This report studies the global Surge Protection Box production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Surge Protection Box and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Surge Protection Box that contribute to its increasing demand across many markets.

### **Highlights and key features of the study**

Global Surge Protection Box total production and demand, 2021-2032, (K Units)

Global Surge Protection Box total production value, 2021-2032, (USD Million)

Global Surge Protection Box production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)

Global Surge Protection Box consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: Surge Protection Box domestic production, consumption, key domestic manufacturers and share

Global Surge Protection Box production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)

Global Surge Protection Box production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global Surge Protection Box production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global Surge Protection Box market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Eaton, Shenzhen Keanda Electronic Technology, Citel Electronics GmbH, Guangzhou Langpai Fanglei Technology, Suzhou Industrial Park Kejia Automation, Guangzhou Chunlei Information Technology, Hunan Putian KBTE Electronics Technology, Hangzhou Yilong Lightning Protection Technology, Shenzhen Techwin Lighting Technologies, Zhejiang Thor Electric, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Surge Protection Box market

### **Detailed Segmentation:**

Each section contains quantitative market data including market by value (US\$

Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Surge Protection Box Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Surge Protection Box Market, Segmentation by Type:

Tandem Type

Parallel Type

Global Surge Protection Box Market, Segmentation by Protection Level:

Type 1 Surge Protection Box

Type 2 Surge Protection Box

Type 3 Surge Protection Box

## Global Surge Protection Box Market, Segmentation by Installation Location:

Main Distribution Board Protection Box

Sub-Distribution Protection Box

## Global Surge Protection Box Market, Segmentation by Application:

Communication

Electricity

Factory

Transportation

Others

## **Companies Profiled:**

Eaton

Shenzhen Keanda Electronic Technology

Citel Electronics GmbH

Guangzhou Langpai Fanglei Technology

Suzhou Industrial Park Kejia Automation

Guangzhou Chunlei Information Technology

Hunan Putian KBTE Electronics Technology

Hangzhou Yilong Lightning Protection Technology

Shenzhen Techwin Lighting Technologies

Zhejiang Thor Electric

KESJ

ZVD

**Key Questions Answered:**

1. How big is the global Surge Protection Box market?
2. What is the demand of the global Surge Protection Box market?
3. What is the year over year growth of the global Surge Protection Box market?
4. What is the production and production value of the global Surge Protection Box market?
5. Who are the key producers in the global Surge Protection Box market?
6. What are the growth factors driving the market demand?

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