

Global ESD and Surge Protective Devices Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

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Abstracts

According to our (Global Info Research) latest study, the global ESD and Surge Protective Devices market size was valued at US\$ million in 2024 and is forecast to a readjusted size of USD million by 2031 with a CAGR of %during review period.

A surge protective device (SPD) is a protective device for limiting transient voltages by diverting or limiting surge current and is capable of repeating these functions as specified. Surge Protective Devices are designed to protect against transient surge conditions. Large single surge events, such as lightning, can reach hundreds of thousands of volts and can cause immediate or intermittent equipment failure. However, lightning and utility power anomalies only account for 20% of transient surges. The remaining 80% of surge activity is produced internally. Although these surges may be smaller in magnitude, they occur more frequently and with continuous exposure can degrade sensitive electronic equipment within the facility.

Surge Protection Devices (SPDs) report published by QYResearch reveals that COVID-19 and Russia-Ukraine War impacted the market dually in 2022. Global Surge Protection Devices (SPDs) market is projected to reach US\$ 2605.1 million in 2029, increasing from US\$ 2311.9 million in 2022, with the CAGR of 1.5% during the period of 2023 to 2029. Demand from Communication and Construction are the major drivers for the industry.

Global key players of surge protection devices (SPDs) include Phoenix, ABB, DEHN SE, Siemens, ZG and Citel. The top six players hold a share about 9%. In terms of product, power type SPD is the largest segment, with a share about 70%. And in terms of application, the largest application is communication, with a share about 28%.

This report is a detailed and comprehensive analysis for global ESD and Surge Protective Devices market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global ESD and Surge Protective Devices market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global ESD and Surge Protective Devices market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global ESD and Surge Protective Devices market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global ESD and Surge Protective Devices market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2020-2025

The Primary Objectives in This Report Are:

- To determine the size of the total market opportunity of global and key countries
- To assess the growth potential for ESD and Surge Protective Devices
- To forecast future growth in each product and end-use market
- To forecast future factors affecting the marketplace

This report profiles key players in the global ESD and Surge Protective Devices market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Littelfuse, Central Semiconductor, Infineon, Bourns, Würth Electronics Group, Sensitron, TDK Electronics, Diodes, etc.

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

Market Segmentation

ESD and Surge Protective Devices market is split by Type and by Application. For the period 2020-2031, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Switch Type

Pressure Limiting Type

Others

Market segment by Application

Residential

Commercial

Industrial

Major players covered

Littelfuse

Central Semiconductor

Infineon

Bourns

Würth Electronics Group

Sensitron

TDK Electronics

Diodes

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe ESD and Surge Protective Devices product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of ESD and Surge Protective Devices, with price, sales quantity, revenue, and global market share of ESD and Surge Protective Devices from 2020 to 2025.

Chapter 3, the ESD and Surge Protective Devices competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the ESD and Surge Protective Devices breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2020 to 2031.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2020

to 2025.and ESD and Surge Protective Devices market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of ESD and Surge Protective Devices.

Chapter 14 and 15, to describe ESD and Surge Protective Devices sales channel, distributors, customers, research findings and conclusion.

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