

Global Surge Protection Device for PV Power Plants Market Growth 2026-2032

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Abstracts

The global Surge Protection Device for PV Power Plants market size is predicted to grow from US\$ 3205 million in 2025 to US\$ 4340 million in 2032; it is expected to grow at a CAGR of 4.5% from 2026 to 2032.

Surge protection devices for photovoltaic power plants are key components to ensure the safe operation of photovoltaic systems. They are designed to protect photovoltaic arrays, inverters and other electrical equipment from damage caused by lightning strikes and transient overvoltages in the power grid. These devices ensure the stability and reliability of the system by quickly responding to and discharging overvoltage energy. They can quickly respond to and suppress transient voltages of up to several thousand volts to prevent overvoltage from damaging sensitive electronic equipment. Some advanced models are equipped with status indicators or remote monitoring functions to facilitate real-time monitoring of the working status of the protection device and timely detection of potential problems.

United States market for Surge Protection Device for PV Power Plants is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

China market for Surge Protection Device for PV Power Plants is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Europe market for Surge Protection Device for PV Power Plants is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Global key Surge Protection Device for PV Power Plants players cover ABB, Eaton, Littelfuse, Bourns, Schneider Electric, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2025.

LP Information, Inc. (LPI) ' newest research report, the "Surge Protection Device for PV Power Plants Industry Forecast" looks at past sales and reviews total world Surge Protection Device for PV Power Plants sales in 2025, providing a comprehensive analysis by region and market sector of projected Surge Protection Device for PV Power Plants sales for 2026 through 2032. With Surge Protection Device for PV Power Plants sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Surge Protection Device for PV Power Plants industry.

This Insight Report provides a comprehensive analysis of the global Surge Protection Device for PV Power Plants landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Surge Protection Device for PV Power Plants portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Surge Protection Device for PV Power Plants market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Surge Protection Device for PV Power Plants and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Surge Protection Device for PV Power Plants.

This report presents a comprehensive overview, market shares, and growth opportunities of Surge Protection Device for PV Power Plants market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

AC Side SPD

DC Side SPD

Segmentation by Application:

Residential

Commercial

Industrial

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

ABB

Eaton

Littelfuse

Bourns

Schneider Electric

Mersen

Phoenix Contact

OBO Bettermann

LSP

Havells

nVent ERICO

HA KEL

Novaris

Citel

Zhejiang Benyi New Energy

Zhejiang Geya Electrical

Hangzhou Yizao Technology

Suntree

Guangxi Dikai Technology

Shenzhen Omrdon

Zhejiang Thor Electricity

Yueqing Jiemai Electric

Guangdong ZVSPD

Chengdu Pedaro Technology

Hangzhou e-lord

Zhuhai Leadtop Electronic

Beijing TOWE

Guangdong Ansun

Mindian Electric(MOREDAY)

Shanghai Angtle Electric

Changsha Leilixing Electronic

Guangdong Zhongpeng Lightning Protection Technology

Shenzhen Rex Lightning Protection Technology

Zhejiang Mingguan Electric

Anhui Jinli Electric Tech.

Key Questions Addressed in this Report

What is the 10-year outlook for the global Surge Protection Device for PV Power Plants market?

What factors are driving Surge Protection Device for PV Power Plants market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Surge Protection Device for PV Power Plants market opportunities vary by end market size?

How does Surge Protection Device for PV Power Plants break out by Type, by Application?

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