

Global Solar PV Safety & Grounding Equipments Market Growth 2026-2032

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Abstracts

The global Solar PV Safety & Grounding Equipments market size is predicted to grow from US\$ 1489 million in 2025 to US\$ 2493 million in 2032; it is expected to grow at a CAGR of 7.7% from 2026 to 2032.

In 2025, global Solar PV Safety & Grounding Equipments production reached approximately 7.8 million units, with an average global market price of around US\$ 200 per unit. Annual production capacity is 8.5 million units. Gross Profit Margin: 37%. Solar PV Safety & Grounding Equipment refers to the range of electrical protection and earthing components used in photovoltaic (PV) systems to ensure safe operation, protect personnel, and prevent damage from electrical faults, lightning, and overvoltage events. The Solar PV Safety & Grounding Equipment industry chain begins upstream with suppliers of raw materials such as copper, aluminum, steel, insulating polymers, semiconductor components, and surge protection modules. Midstream manufacturers design and produce grounding rods, bonding clamps, conductors, surge protection devices (SPDs), arc-fault detectors, and rapid shutdown systems, often integrating them into combiner boxes and inverter protection systems. Downstream, these products are distributed through electrical wholesalers, EPC (Engineering, Procurement & Construction) contractors, and solar installers to residential, commercial, and utility-scale PV projects, where they ensure regulatory compliance, system safety, and long-term operational reliability.

United States market for Solar PV Safety & Grounding Equipments 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 Solar PV Safety & Grounding Equipments 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 Solar PV Safety & Grounding Equipments is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Global key Solar PV Safety & Grounding Equipments players cover ABB Ltd (SIX: ABBN, Switzerland), Schneider Electric SE (EPA: SU, France), Eaton Corporation plc (NYSE: ETN, USA/Ireland), Siemens AG (ETR: SIE, Germany), Phoenix Contact GmbH & Co. KG (Private, Germany), 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 'Solar PV Safety & Grounding Equipments Industry Forecast' looks at past sales and reviews total world Solar PV Safety & Grounding Equipments sales in 2025, providing a comprehensive analysis by region and market sector of projected Solar PV Safety & Grounding Equipments sales for 2026 through 2032. With Solar PV Safety & Grounding Equipments sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Solar PV Safety & Grounding Equipments industry.

This Insight Report provides a comprehensive analysis of the global Solar PV Safety & Grounding Equipments 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 Solar PV Safety & Grounding Equipments portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Solar PV Safety & Grounding Equipments market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Solar PV Safety & Grounding Equipments 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 Solar PV Safety & Grounding Equipments.

This report presents a comprehensive overview, market shares, and growth

opportunities of Solar PV Safety & Grounding Equipments market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

- Grounding & Bonding Equipment
- Surge Protection Devices (SPDs)
- Overcurrent Protection Devices
- Arc Fault & Rapid Shutdown Systems
- Lightning Protection Systems
- Monitoring & Insulation Protection Devices

Segmentation by Voltage Level:

- Low Voltage (<math><1,000\text{V}</math> DC)
- Medium Voltage ($1,000\text{V}<1,500\text{V}</math> DC)$
- High Voltage / Grid-Level Applications

Segmentation by Technology Level:

- Conventional Passive Protection
- Smart / Monitored Protection Systems
- Integrated Digital Safety Platforms

Segmentation by Application:

- Residential Housing

Industrial Facilities

Government & Infrastructure Projects

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 Ltd (SIX: ABBN, Switzerland)

Schneider Electric SE (EPA: SU, France)

Eaton Corporation plc (NYSE: ETN, USA/Ireland)

Siemens AG (ETR: SIE, Germany)

Phoenix Contact GmbH & Co. KG (Private, Germany)

DEHN SE + Co KG (Private, Germany)

Littelfuse, Inc. (NASDAQ: LFUS, USA)

Raycap GmbH (Private, Germany)

Citel Inc. (Private/France-USA)

OBO Bettermann Holding GmbH & Co. KG (Private, Germany)

Hager Group (Private, France)

Prosurge Electronics Co., Ltd. (Private, China)

Zhejiang Geya Electrical Co., Ltd. (Private, China)

LEEYEE Electric (Private, China)

Key Questions Addressed in this Report

What is the 10-year outlook for the global Solar PV Safety & Grounding Equipments market?

What factors are driving Solar PV Safety & Grounding Equipments market growth, globally and by region?

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

How do Solar PV Safety & Grounding Equipments market opportunities vary by end market size?

How does Solar PV Safety & Grounding Equipments break out by Type, by Application?

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