

Plug-In Industrial Surge Protection Devices Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2024 to 2032

<https://marketpublishers.com/r/PC89A5B7C403EN.html>

Date: October 2024

Pages: 120

Price: US\$ 4,850.00 (Single User License)

ID: PC89A5B7C403EN

Abstracts

The Global Plug-In Industrial Surge Protection Devices Market reached a valuation of USD 350.7 million in 2023 and is projected to expand at a CAGR of 6.4% from 2024 to 2032. This growth is fueled by the rising demand to protect sensitive electrical systems, along with increasing awareness of the risks associated with equipment downtime and data loss due to electrical surges. Expanding installations of these devices in data centers and IT infrastructure, combined with the adoption of smart building technologies, bolster the market trajectory. Plug-in industrial SPDs are essential units designed to defend industrial machinery from voltage surges and transients within electrical systems. These devices, which can be directly inserted into outlets or electrical panels, serve as crucial shields against unexpected power spikes that could potentially damage equipment, halt operations, and lead to costly interruptions.

The deployment of these units in critical industrial settings, such as manufacturing facilities and data centers, is amplifying market dynamics as businesses strive for uninterrupted productivity and equipment protection. The demand for type 1 plug-in SPDs is set to surpass USD 280 million by 2032. Increased interest in devices offering comprehensive protection, enhanced voltage clamping, and quick response times are driving growth. As smart buildings and IoT-driven automation become more prevalent, and with stringent safety codes in place, the market for advanced SPDs is expanding. These devices now incorporate features like digital displays for real-time status updates, remote alerts for surge events, and built-in diagnostics to monitor performance, reinforcing their role in today's industrial environments.

In addition, plug-in SPDs rated at over 150 kA are expected to achieve a 6% CAGR through 2032, with their utility particularly noted in energy, manufacturing, and

telecommunications industries. These sectors face considerable expenses from electrical failures, making high-rated SPDs essential for maintaining power quality and energy efficiency. Additionally, the growing reliance on renewable energy and decentralized power grids is creating further demand, as these systems require reliable surge protection for continuous operation. The U.S. market for plug-in industrial SPDs is forecasted to exceed USD 110 million by 2032, with demand driven by regulatory mandates, operational safety standards, and increasing investment in infrastructure modernization.

Rising automation in industries and a heightened focus on protecting critical equipment against power disruptions are accelerating SPD adoption. With the ongoing proliferation of advanced technologies and the integration of sensitive electronics, especially in the face of extreme weather risks, SPDs are becoming indispensable for safeguarding equipment and ensuring reliable operations in industrial settings. This surge in demand underscores the crucial role of SPDs in supporting industrial infrastructure and advancing safety standards in an increasingly electrified world.

Contents

Report Content

CHAPTER 1 METHODOLOGY & SCOPE

- 1.1 Market scope & definitions
- 1.2 Market estimates & forecast parameters
- 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 - 2032

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 Introduction
- 4.2 Strategic outlook
- 4.3 Innovation & sustainability landscape

CHAPTER 5 MARKET SIZE AND FORECAST, BY TECHNOLOGY, 2021 - 2032 (USD MILLION & UNITS)

5.1 Key trends

5.2 Type

5.3 Type

5.4 Type

CHAPTER 6 MARKET SIZE AND FORECAST, BY POWER RATING, 2021 - 2032 (USD MILLION & UNITS)

6.1 Key trends

6.2 ? 50 kA

6.3 > 50 kA to 100 kA

6.4 > 100 kA to 150 kA

6.5 > 150 kA

CHAPTER 7 MARKET SIZE AND FORECAST, BY REGION, 2021 - 2032 (USD MILLION & UNITS)

7.1 Key trends

7.2 North America

7.2.1 U.S.

7.2.2 Canada

7.2.3 Mexico

7.3 Europe

7.3.1 Germany

7.3.2 France

7.3.3 Russia

7.3.4 UK

7.3.5 Italy

7.3.6 Spain

7.3.7 Netherlands

7.3.8 Austria

7.4 Asia Pacific

7.4.1 China

7.4.2 Japan

7.4.3 South Korea

- 7.4.4 India
- 7.4.5 Australia
- 7.4.6 New Zealand
- 7.4.7 Malaysia
- 7.4.8 Indonesia
- 7.5 Middle East & Africa
 - 7.5.1 Saudi Arabia
 - 7.5.2 UAE
 - 7.5.3 Qatar
 - 7.5.4 Egypt
 - 7.5.5 South Africa
 - 7.5.6 Nigeria
 - 7.5.7 Kuwait
 - 7.5.8 Oman
- 7.6 Latin America
 - 7.6.1 Brazil
 - 7.6.2 Peru
 - 7.6.3 Argentina

CHAPTER 8 COMPANY PROFILES

- 8.1 ABB
- 8.2 Belkin
- 8.3 Eaton
- 8.4 Emerson Electric
- 8.5 General Electric
- 8.6 Havells
- 8.7 Honeywell International
- 8.8 Hubbell
- 8.9 Infineon Technologies
- 8.10 JMV
- 8.11 Legrand
- 8.12 Leviton
- 8.13 Philips
- 8.14 Phoenix Contact
- 8.15 Raycap
- 8.16 Schneider Electric
- 8.17 Siemens
- 8.18 Socomec

8.19 Weidmuller

8.20 Wenzhou Arrester Electric

I would like to order

Product name: Plug-In Industrial Surge Protection Devices Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2024 to 2032

Product link: <https://marketpublishers.com/r/PC89A5B7C403EN.html>

Price: US\$ 4,850.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/PC89A5B7C403EN.html>