

# Global Power Diodes Market Growth 2025-2031

<https://marketpublishers.com/r/G3B0594520FEN.html>

Date: June 2026

Pages: 133

Price: US\$ 3,660.00 (Single User License)

ID: G3B0594520FEN

## Abstracts

The global Power Diodes market size is predicted to grow from US\$ 18270 million in 2025 to US\$ 24030 million in 2031; it is expected to grow at a CAGR of 4.7% from 2025 to 2031.

The impact of the latest U.S. tariff measures and the corresponding policy responses from countries worldwide on market competitiveness, regional economic performance, and supply chain configurations will be comprehensively evaluated in this report.

Power diodes are used for converting alternating voltage into continuous voltage.

The continuous development of renewable energy and electric vehicles has led to a continuous increase in the demand for power electronics devices. Solar cells, wind turbines, and electric vehicles all require high-efficiency power electronics devices to convert and control the flow of electricity. Power diodes are one of the important components of these power electronics devices, so the development of renewable energy and electric vehicles has also led to an increase in the demand for power diodes.

With the continuous improvement of technology, the performance requirements of power diodes are also increasing. Power diodes need to have high breakdown voltage, low loss, high speed, and other characteristics to meet the requirements of high-efficiency power electronics. This requires manufacturers to continue to improve their production technology and process quality to improve product performance and reduce costs.

LP Information, Inc. (LPI) ' newest research report, the "Power Diodes Industry Forecast" looks at past sales and reviews total world Power Diodes sales in 2024, providing a comprehensive analysis by region and market sector of projected Power

Diodes sales for 2025 through 2031. With Power Diodes sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Power Diodes industry.

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

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Power Diodes 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 Power Diodes.

This report presents a comprehensive overview, market shares, and growth opportunities of Power Diodes market by product type, application, key manufacturers and key regions and countries.

### **Segmentation by Type:**

Schottky diodes

Standard diodes or general purpose diodes

Fast recovery diodes

Others

### **Segmentation by Application:**

Metals melting and electrolysis

Voltage clamping

Drives

Input rectifier for ac-drives

A voltage multiplying

Others

**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.

Infineon Technologies

MACOM

Toshiba

Semiconductor

Microchip Technology

NXP Semiconductors

Semtech

Shindengen Electric Manufacturing

ABB

ON Semiconductor

Diodes Incorporated

ROHM Semiconductor

Central

Hitachi Power Semiconductor Device

IXYS

Panasonic

Vishay

### **Key Questions Addressed in this Report**

What is the 10-year outlook for the global Power Diodes market?

What factors are driving Power Diodes market growth, globally and by region?

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

How do Power Diodes market opportunities vary by end market size?

How does Power Diodes break out by Type, by Application?

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