

EV Diodes Industry Research Report 2025

<https://marketpublishers.com/r/EB6815BEBD89EN.html>

Date: February 2025

Pages: 137

Price: US\$ 2,950.00 (Single User License)

ID: EB6815BEBD89EN

Abstracts

Summary

According to APO Research, The global EV Diodes market was valued at US\$ million in 2024 and is anticipated to reach US\$ million by 2031, witnessing a CAGR of xx% during the forecast period 2025-2031.

North American market for EV Diodes is estimated to increase from \$ million in 2025 to reach \$ million by 2031, at a CAGR of % during the forecast period of 2026 through 2031.

Asia-Pacific market for EV Diodes is estimated to increase from \$ million in 2025 to reach \$ million by 2031, at a CAGR of % during the forecast period of 2025 through 2031.

Europe market for EV Diodes is estimated to increase from \$ million in 2025 to reach \$ million by 2031, at a CAGR of % during the forecast period of 2025 through 2031.

The major global manufacturers of EV Diodes include , etc. In 2024, the world's top three vendors accounted for approximately % of the revenue.

Report Scope

This report aims to provide a comprehensive presentation of the global market for EV Diodes, with both quantitative and qualitative analysis, to help readers develop business/growth strategies, assess the market competitive situation, analyze their position in the current marketplace, and make informed business decisions regarding EV Diodes.

The report will help the EV Diodes manufacturers, new entrants, and industry chain related companies in this market with information on the revenues, sales volume, and average price for the overall market and the sub-segments across the different segments, by company, by Type, by Application, and by regions.

The EV Diodes market size, estimations, and forecasts are provided in terms of sales volume (K Units) and revenue (\$ millions), considering 2024 as the base year, with history and forecast data for the period from 2020 to 2031. This report segments the global EV Diodes market comprehensively. Regional market sizes, concerning products by Type, by Application, and by players, are also provided. For a more in-depth understanding of the market, the report provides profiles of the competitive landscape, key competitors, and their respective market ranks. The report also discusses technological trends and new product developments.

Key Companies & Market Share Insights

In this section, the readers will gain an understanding of the key players competing. This report has studied the key growth strategies, such as innovative trends and developments, intensification of product portfolio, mergers and acquisitions, collaborations, new product innovation, and geographical expansion, undertaken by these participants to maintain their presence. Apart from business strategies, the study includes current developments and key financials. The readers will also get access to the data related to global revenue, price, and sales by manufacturers for the period 2020-2025. This all-inclusive report will certainly serve the clients to stay updated and make effective decisions in their businesses.

EV Diodes Segment by Company

Infineon

PANJIT Group

Rohm

Yangzhou Yangjie Electronic Technology

YAGEO

WAYON

Vishay

Toshiba

Suzhou Good-Ark Electronics

ST Microelectronics

Skyworks

Shindengen

Semikron Danfoss

Sanken Electric

Prisemi

ON Semiconductor

Nexperia

Hitachi Power Semiconductor Device

Fuji Electric

EV Diodes Segment by Type

Rectifier Diodes

Schottky Diodes (SBD)

General Purpose Diodes

Zener Diodes

Switching Diodes

Varactor Diodes

TVS

FRD

EV Diodes Segment by Application

ADAS

Body Systems

Chassis & Safety Systems

Powertrain Systems

Network & Telematics Systems

Infotainment Systems

EV Diodes Segment by Region

North America

United States

Canada

Mexico

Europe

Germany

France

U.K.

Italy

Russia

Spain

Netherlands

Switzerland

Sweden

Poland

Asia-Pacific

China

Japan

South Korea

India

Australia

Taiwan

Southeast Asia

South America

Brazil

Argentina

Chile

Middle East & Africa

Egypt

South Africa

Israel

Türkiye

GCC Countries

Key Drivers & Barriers

High-impact rendering factors and drivers have been studied in this report to aid the readers to understand the general development. Moreover, the report includes restraints and challenges that may act as stumbling blocks on the way of the players. This will assist the users to be attentive and make informed decisions related to business. Specialists have also laid their focus on the upcoming business prospects.

Reasons to Buy This Report

1. This report will help the readers to understand the competition within the industries and strategies for the competitive environment to enhance the potential profit. The report also focuses on the competitive landscape of the global EV Diodes market, and introduces in detail the market share, industry ranking, competitor ecosystem, market performance, new product development, operation situation, expansion, and acquisition. etc. of the main players, which helps the readers to identify the main competitors and deeply understand the competition pattern of the market.
2. This report will help stakeholders to understand the global industry status and trends of EV Diodes and provides them with information on key market drivers, restraints, challenges, and opportunities.
3. This report will help stakeholders to understand competitors better and gain more insights to strengthen their position in their businesses. The competitive landscape section includes the market share and rank (in volume and value), competitor

ecosystem, new product development, expansion, and acquisition.

4. This report stays updated with novel technology integration, features, and the latest developments in the market

5. This report helps stakeholders to gain insights into which regions to target globally

6. This report helps stakeholders to gain insights into the end-user perception concerning the adoption of EV Diodes.

7. This report helps stakeholders to identify some of the key players in the market and understand their valuable contribution.

Chapter Outline

Chapter 1: Research objectives, research methods, data sources, data cross-validation;

Chapter 2: Introduces the report scope of the report, executive summary of different market segments (by region, product type, application, etc), including the market size of each market segment, future development potential, and so on. It offers a high-level view of the current state of the market and its likely evolution in the short to mid-term, and long term.

Chapter 3: Detailed analysis of EV Diodes manufacturers competitive landscape, price, production and value market share, latest development plan, merger, and acquisition information, etc.

Chapter 4: Provides profiles of key players, introducing the basic situation of the main companies in the market in detail, including product production/output, value, price, gross margin, product introduction, recent development, etc.

Chapter 5: Production/output, value of EV Diodes by region/country. It provides a quantitative analysis of the market size and development potential of each region in the next six years.

Chapter 6: Consumption of EV Diodes in regional level and country level. It provides a quantitative analysis of the market size and development potential of each region and its main countries and introduces the market development, future development prospects, market space, and production of each country in the world.

Chapter 7: Provides the analysis of various market segments by type, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 8: Provides the analysis of various market segments by application, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

Chapter 9: Analysis of industrial chain, including the upstream and downstream of the industry.

Chapter 10: Introduces the market dynamics, latest developments of the market, the driving factors and restrictive factors of the market, the challenges and risks faced by manufacturers in the industry, and the analysis of relevant policies in the industry.

Chapter 11: The main points and conclusions of the report.

Contents

1 PREFACE

- 1.1 Scope of Report
- 1.2 Reasons for Doing This Study
- 1.3 Research Methodology
- 1.4 Research Process
- 1.5 Data Source
 - 1.5.1 Secondary Sources
 - 1.5.2 Primary Sources

2 MARKET OVERVIEW

- 2.1 Product Definition
- 2.2 EV Diodes by Type
 - 2.2.1 Market Value Comparison by Type (2020 VS 2024 VS 2031) & (US\$ Million)
 - 2.2.2 Rectifier Diodes
 - 2.2.3 Schottky Diodes (SBD)
 - 2.2.4 General Purpose Diodes
 - 2.2.5 Zener Diodes
 - 2.2.6 Switching Diodes
 - 2.2.7 Varactor Diodes
 - 2.2.8 TVS
 - 2.2.9 FRD
- 2.3 EV Diodes by Application
 - 2.3.1 Market Value Comparison by Application (2020 VS 2024 VS 2031) & (US\$ Million)
 - 2.3.2 ADAS
 - 2.3.3 Body Systems
 - 2.3.4 Chassis & Safety Systems
 - 2.3.5 Powertrain Systems
 - 2.3.6 Network & Telematics Systems
 - 2.3.7 Infotainment Systems
- 2.4 Global Market Growth Prospects
 - 2.4.1 Global EV Diodes Production Value Estimates and Forecasts (2020-2031)
 - 2.4.2 Global EV Diodes Production Capacity Estimates and Forecasts (2020-2031)
 - 2.4.3 Global EV Diodes Production Estimates and Forecasts (2020-2031)
 - 2.4.4 Global EV Diodes Market Average Price (2020-2031)

3 MARKET COMPETITIVE LANDSCAPE BY MANUFACTURERS

- 3.1 Global EV Diodes Production by Manufacturers (2020-2025)
- 3.2 Global EV Diodes Production Value by Manufacturers (2020-2025)
- 3.3 Global EV Diodes Average Price by Manufacturers (2020-2025)
- 3.4 Global EV Diodes Industry Manufacturers Ranking, 2023 VS 2024 VS 2025
- 3.5 Global EV Diodes Key Manufacturers, Manufacturing Sites & Headquarters
- 3.6 Global EV Diodes Manufacturers, Product Type & Application
- 3.7 Global EV Diodes Manufacturers Established Date
- 3.8 Global EV Diodes Market CR5 and HHI
- 3.9 Global Manufacturers Mergers & Acquisition

4 MANUFACTURERS PROFILED

4.1 Infineon

- 4.1.1 Infineon EV Diodes Company Information
- 4.1.2 Infineon EV Diodes Business Overview
- 4.1.3 Infineon EV Diodes Production, Value and Gross Margin (2020-2025)
- 4.1.4 Infineon Product Portfolio
- 4.1.5 Infineon Recent Developments

4.2 PANJIT Group

- 4.2.1 PANJIT Group EV Diodes Company Information
- 4.2.2 PANJIT Group EV Diodes Business Overview
- 4.2.3 PANJIT Group EV Diodes Production, Value and Gross Margin (2020-2025)
- 4.2.4 PANJIT Group Product Portfolio
- 4.2.5 PANJIT Group Recent Developments

4.3 Rohm

- 4.3.1 Rohm EV Diodes Company Information
- 4.3.2 Rohm EV Diodes Business Overview
- 4.3.3 Rohm EV Diodes Production, Value and Gross Margin (2020-2025)
- 4.3.4 Rohm Product Portfolio
- 4.3.5 Rohm Recent Developments

4.4 Yangzhou Yangjie Electronic Technology

- 4.4.1 Yangzhou Yangjie Electronic Technology EV Diodes Company Information
- 4.4.2 Yangzhou Yangjie Electronic Technology EV Diodes Business Overview
- 4.4.3 Yangzhou Yangjie Electronic Technology EV Diodes Production, Value and Gross Margin (2020-2025)
- 4.4.4 Yangzhou Yangjie Electronic Technology Product Portfolio

4.4.5 Yangzhou Yangjie Electronic Technology Recent Developments

4.5 YAGEO

4.5.1 YAGEO EV Diodes Company Information

4.5.2 YAGEO EV Diodes Business Overview

4.5.3 YAGEO EV Diodes Production, Value and Gross Margin (2020-2025)

4.5.4 YAGEO Product Portfolio

4.5.5 YAGEO Recent Developments

4.6 WAYON

4.6.1 WAYON EV Diodes Company Information

4.6.2 WAYON EV Diodes Business Overview

4.6.3 WAYON EV Diodes Production, Value and Gross Margin (2020-2025)

4.6.4 WAYON Product Portfolio

4.6.5 WAYON Recent Developments

4.7 Vishay

4.7.1 Vishay EV Diodes Company Information

4.7.2 Vishay EV Diodes Business Overview

4.7.3 Vishay EV Diodes Production, Value and Gross Margin (2020-2025)

4.7.4 Vishay Product Portfolio

4.7.5 Vishay Recent Developments

4.8 Toshiba

4.8.1 Toshiba EV Diodes Company Information

4.8.2 Toshiba EV Diodes Business Overview

4.8.3 Toshiba EV Diodes Production, Value and Gross Margin (2020-2025)

4.8.4 Toshiba Product Portfolio

4.8.5 Toshiba Recent Developments

4.9 Suzhou Good-Ark Electronics

4.9.1 Suzhou Good-Ark Electronics EV Diodes Company Information

4.9.2 Suzhou Good-Ark Electronics EV Diodes Business Overview

4.9.3 Suzhou Good-Ark Electronics EV Diodes Production, Value and Gross Margin (2020-2025)

4.9.4 Suzhou Good-Ark Electronics Product Portfolio

4.9.5 Suzhou Good-Ark Electronics Recent Developments

4.10 ST Microelectronics

4.10.1 ST Microelectronics EV Diodes Company Information

4.10.2 ST Microelectronics EV Diodes Business Overview

4.10.3 ST Microelectronics EV Diodes Production, Value and Gross Margin (2020-2025)

4.10.4 ST Microelectronics Product Portfolio

4.10.5 ST Microelectronics Recent Developments

4.11 Skyworks

- 4.11.1 Skyworks EV Diodes Company Information
- 4.11.2 Skyworks EV Diodes Business Overview
- 4.11.3 Skyworks EV Diodes Production, Value and Gross Margin (2020-2025)
- 4.11.4 Skyworks Product Portfolio
- 4.11.5 Skyworks Recent Developments

4.12 Shindengen

- 4.12.1 Shindengen EV Diodes Company Information
- 4.12.2 Shindengen EV Diodes Business Overview
- 4.12.3 Shindengen EV Diodes Production, Value and Gross Margin (2020-2025)
- 4.12.4 Shindengen Product Portfolio
- 4.12.5 Shindengen Recent Developments

4.13 Semikron Danfoss

- 4.13.1 Semikron Danfoss EV Diodes Company Information
- 4.13.2 Semikron Danfoss EV Diodes Business Overview
- 4.13.3 Semikron Danfoss EV Diodes Production, Value and Gross Margin (2020-2025)
- 4.13.4 Semikron Danfoss Product Portfolio
- 4.13.5 Semikron Danfoss Recent Developments

4.14 Sanken Electric

- 4.14.1 Sanken Electric EV Diodes Company Information
- 4.14.2 Sanken Electric EV Diodes Business Overview
- 4.14.3 Sanken Electric EV Diodes Production, Value and Gross Margin (2020-2025)
- 4.14.4 Sanken Electric Product Portfolio
- 4.14.5 Sanken Electric Recent Developments

4.15 Prisemi

- 4.15.1 Prisemi EV Diodes Company Information
- 4.15.2 Prisemi EV Diodes Business Overview
- 4.15.3 Prisemi EV Diodes Production, Value and Gross Margin (2020-2025)
- 4.15.4 Prisemi Product Portfolio
- 4.15.5 Prisemi Recent Developments

4.16 ON Semiconductor

- 4.16.1 ON Semiconductor EV Diodes Company Information
- 4.16.2 ON Semiconductor EV Diodes Business Overview
- 4.16.3 ON Semiconductor EV Diodes Production, Value and Gross Margin (2020-2025)
- 4.16.4 ON Semiconductor Product Portfolio
- 4.16.5 ON Semiconductor Recent Developments

4.17 Nexperia

- 4.17.1 Nexperia EV Diodes Company Information

- 4.17.2 Nexperia EV Diodes Business Overview
- 4.17.3 Nexperia EV Diodes Production, Value and Gross Margin (2020-2025)
- 4.17.4 Nexperia Product Portfolio
- 4.17.5 Nexperia Recent Developments
- 4.18 Hitachi Power Semiconductor Device
 - 4.18.1 Hitachi Power Semiconductor Device EV Diodes Company Information
 - 4.18.2 Hitachi Power Semiconductor Device EV Diodes Business Overview
 - 4.18.3 Hitachi Power Semiconductor Device EV Diodes Production, Value and Gross Margin (2020-2025)
 - 4.18.4 Hitachi Power Semiconductor Device Product Portfolio
 - 4.18.5 Hitachi Power Semiconductor Device Recent Developments
- 4.19 Fuji Electric
 - 4.19.1 Fuji Electric EV Diodes Company Information
 - 4.19.2 Fuji Electric EV Diodes Business Overview
 - 4.19.3 Fuji Electric EV Diodes Production, Value and Gross Margin (2020-2025)
 - 4.19.4 Fuji Electric Product Portfolio
 - 4.19.5 Fuji Electric Recent Developments

5 GLOBAL EV DIODES PRODUCTION BY REGION

- 5.1 Global EV Diodes Production Estimates and Forecasts by Region: 2020 VS 2024 VS 2031
- 5.2 Global EV Diodes Production by Region: 2020-2031
 - 5.2.1 Global EV Diodes Production by Region: 2020-2025
 - 5.2.2 Global EV Diodes Production Forecast by Region (2026-2031)
- 5.3 Global EV Diodes Production Value Estimates and Forecasts by Region: 2020 VS 2024 VS 2031
- 5.4 Global EV Diodes Production Value by Region: 2020-2031
 - 5.4.1 Global EV Diodes Production Value by Region: 2020-2025
 - 5.4.2 Global EV Diodes Production Value Forecast by Region (2026-2031)
- 5.5 Global EV Diodes Market Price Analysis by Region (2020-2025)
- 5.6 Global EV Diodes Production and Value, YOY Growth
 - 5.6.1 North America EV Diodes Production Value Estimates and Forecasts (2020-2031)
 - 5.6.2 Europe EV Diodes Production Value Estimates and Forecasts (2020-2031)
 - 5.6.3 China EV Diodes Production Value Estimates and Forecasts (2020-2031)
 - 5.6.4 Japan EV Diodes Production Value Estimates and Forecasts (2020-2031)
 - 5.6.5 South Korea EV Diodes Production Value Estimates and Forecasts (2020-2031)
 - 5.6.6 India EV Diodes Production Value Estimates and Forecasts (2020-2031)

6 GLOBAL EV DIODES CONSUMPTION BY REGION

6.1 Global EV Diodes Consumption Estimates and Forecasts by Region: 2020 VS 2024 VS 2031

6.2 Global EV Diodes Consumption by Region (2020-2031)

6.2.1 Global EV Diodes Consumption by Region: 2020-2025

6.2.2 Global EV Diodes Forecasted Consumption by Region (2026-2031)

6.3 North America

6.3.1 North America EV Diodes Consumption Growth Rate by Country: 2020 VS 2024 VS 2031

6.3.2 North America EV Diodes Consumption by Country (2020-2031)

6.3.3 United States

6.3.4 Canada

6.3.5 Mexico

6.4 Europe

6.4.1 Europe EV Diodes Consumption Growth Rate by Country: 2020 VS 2024 VS 2031

6.4.2 Europe EV Diodes Consumption by Country (2020-2031)

6.4.3 Germany

6.4.4 France

6.4.5 U.K.

6.4.6 Italy

6.4.7 Russia

6.4.8 Spain

6.4.9 Netherlands

6.4.10 Switzerland

6.4.11 Sweden

6.4.12 Poland

6.5 Asia Pacific

6.5.1 Asia Pacific EV Diodes Consumption Growth Rate by Country: 2020 VS 2024 VS 2031

6.5.2 Asia Pacific EV Diodes Consumption by Country (2020-2031)

6.5.3 China

6.5.4 Japan

6.5.5 South Korea

6.5.6 India

6.5.7 Australia

6.5.8 Taiwan

6.5.9 Southeast Asia

6.6 South America, Middle East & Africa

6.6.1 South America, Middle East & Africa EV Diodes Consumption Growth Rate by Country: 2020 VS 2024 VS 2031

6.6.2 South America, Middle East & Africa EV Diodes Consumption by Country (2020-2031)

6.6.3 Brazil

6.6.4 Argentina

6.6.5 Chile

6.6.6 Turkey

6.6.7 GCC Countries

7 SEGMENT BY TYPE

7.1 Global EV Diodes Production by Type (2020-2031)

7.1.1 Global EV Diodes Production by Type (2020-2031) & (K Units)

7.1.2 Global EV Diodes Production Market Share by Type (2020-2031)

7.2 Global EV Diodes Production Value by Type (2020-2031)

7.2.1 Global EV Diodes Production Value by Type (2020-2031) & (US\$ Million)

7.2.2 Global EV Diodes Production Value Market Share by Type (2020-2031)

7.3 Global EV Diodes Price by Type (2020-2031)

8 SEGMENT BY APPLICATION

8.1 Global EV Diodes Production by Application (2020-2031)

8.1.1 Global EV Diodes Production by Application (2020-2031) & (K Units)

8.1.2 Global EV Diodes Production Market Share by Application (2020-2031)

8.2 Global EV Diodes Production Value by Application (2020-2031)

8.2.1 Global EV Diodes Production Value by Application (2020-2031) & (US\$ Million)

8.2.2 Global EV Diodes Production Value Market Share by Application (2020-2031)

8.3 Global EV Diodes Price by Application (2020-2031)

9 VALUE CHAIN AND SALES CHANNELS ANALYSIS OF THE MARKET

9.1 EV Diodes Value Chain Analysis

9.1.1 EV Diodes Key Raw Materials

9.1.2 Raw Materials Key Suppliers

9.1.3 EV Diodes Production Mode & Process

9.2 EV Diodes Sales Channels Analysis

9.2.1 Direct Comparison with Distribution Share

9.2.2 EV Diodes Distributors

9.2.3 EV Diodes Customers

10 GLOBAL EV DIODES ANALYZING MARKET DYNAMICS

10.1 EV Diodes Industry Trends

10.2 EV Diodes Industry Drivers

10.3 EV Diodes Industry Opportunities and Challenges

10.4 EV Diodes Industry Restraints

11 REPORT CONCLUSION

12 DISCLAIMER

I would like to order

Product name: EV Diodes Industry Research Report 2025

Product link: <https://marketpublishers.com/r/EB6815BEED89EN.html>

Price: US\$ 2,950.00 (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/EB6815BEED89EN.html>