

# Global Automotive Power Discrete Market Research Report 2024, Forecast to 2032

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## Abstracts

### Report Overview

Discrete devices, such as diodes & transistors, are single semiconductors. Power transistors are important type of discrete device which are used to control voltages, minimize power consumption, & minimizing heat generation in a variety of applications. Devices built for reliable, robust, & power-efficient energy storage applications are referred as power discrete. They're crucial parts of circuits designed to increase the battery life of portable electronics. Ultrafast diodes for DC-DC converters & rectification in the secondary side of OBS (on-board-charger) systems are examples of automotive-grade power discrete devices. For example, in medium voltage automotive applications, silicon-based IGBT discrete has been the device of choice.

The global Automotive Power Discrete market size was estimated at USD 618 million in 2023 and is projected to reach USD 926.35 million by 2032, exhibiting a CAGR of 4.60% during the forecast period.

North America Automotive Power Discrete market size was estimated at USD 173.98 million in 2023, at a CAGR of 3.94% during the forecast period of 2024 through 2032.

This report provides a deep insight into the global Automotive Power Discrete market covering all its essential aspects. This ranges from a macro overview of the market to micro details of the market size, competitive landscape, development trend, niche market, key market drivers and challenges, SWOT analysis, value chain analysis, etc.

The analysis helps the reader to shape the competition within the industries and strategies for the competitive environment to enhance the potential profit. Furthermore,

it provides a simple framework for evaluating and accessing the position of the business organization. The report structure also focuses on the competitive landscape of the Global Automotive Power Discrete Market, this report introduces in detail the market share, market performance, product situation, operation situation, etc. of the main players, which helps the readers in the industry to identify the main competitors and deeply understand the competition pattern of the market.

In a word, this report is a must-read for industry players, investors, researchers, consultants, business strategists, and all those who have any kind of stake or are planning to foray into the Automotive Power Discrete market in any manner.

### Global Automotive Power Discrete Market: Market Segmentation Analysis

The research report includes specific segments by region (country), manufacturers, Type, and Application. Market segmentation creates subsets of a market based on product type, end-user or application, Geographic, and other factors. By understanding the market segments, the decision-maker can leverage this targeting in the product, sales, and marketing strategies. Market segments can power your product development cycles by informing how you create product offerings for different segments.

### Key Company

Infineon Technologies

Robert Bosch

Continental AG

ON Semiconductor

Rohm Semiconductor

ST Microelectronics

Danfoss

Vishay

Freescale Semiconductor

Texas Instruments.

Rockwell Automation

Market Segmentation (by Type)

GaN

SiC

Market Segmentation (by Application)

Passenger Car

Commercial Vehicle

Geographic Segmentation

North America (USA, Canada, Mexico)

Europe (Germany, UK, France, Russia, Italy, Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia, Rest of Asia-Pacific)

South America (Brazil, Argentina, Columbia, Rest of South America)

The Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria, South Africa, Rest of MEA)

Key Benefits of This Market Research:

Industry drivers, restraints, and opportunities covered in the study

Neutral perspective on the market performance

Recent industry trends and developments

Competitive landscape & strategies of key players

Potential & niche segments and regions exhibiting promising growth covered

Historical, current, and projected market size, in terms of value

In-depth analysis of the Automotive Power Discrete Market

Overview of the regional outlook of the Automotive Power Discrete Market:

#### Key Reasons to Buy this Report:

Access to date statistics compiled by our researchers. These provide you with historical and forecast data, which is analyzed to tell you why your market is set to change

This enables you to anticipate market changes to remain ahead of your competitors

You will be able to copy data from the Excel spreadsheet straight into your marketing plans, business presentations, or other strategic documents

The concise analysis, clear graph, and table format will enable you to pinpoint the information you require quickly

Provision of market value data for each segment and sub-segment

Indicates the region and segment that is expected to witness the fastest growth as well as to dominate the market

Analysis by geography highlighting the consumption of the product/service in the region as well as indicating the factors that are affecting the market within each region

Competitive landscape which incorporates the market ranking of the major players, along with new service/product launches, partnerships, business expansions, and acquisitions in the past five years of companies profiled

Extensive company profiles comprising of company overview, company insights, product benchmarking, and SWOT analysis for the major market players

The current as well as the future market outlook of the industry concerning recent developments which involve growth opportunities and drivers as well as challenges and restraints of both emerging as well as developed regions

Includes in-depth analysis of the market from various perspectives through Porter's five forces analysis

Provides insight into the market through Value Chain

Market dynamics scenario, along with growth opportunities of the market in the years to come

6-month post-sales analyst support

### Customization of the Report

In case of any queries or customization requirements, please connect with our sales team, who will ensure that your requirements are met.

### Chapter Outline

Chapter 1 mainly introduces the statistical scope of the report, market division standards, and market research methods.

Chapter 2 is an 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 Automotive Power Discrete Market and its likely evolution in the short to mid-term, and long term.

Chapter 3 makes a detailed analysis of the market's competitive landscape of the market and provides the market share, capacity, output, price, latest development plan, merger, and acquisition information of the main manufacturers in the market.

Chapter 4 is the analysis of the whole market industrial chain, including the upstream and downstream of the industry, as well as Porter's five forces analysis.

Chapter 5 introduces the 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 6 provides the analysis of various market segments according to product types, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 7 provides the analysis of various market segments according to 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 8 provides a quantitative analysis of the market size and development potential of each region from the consumer side and its main countries and introduces the market development, future development prospects, market space, and capacity of each country in the world.

Chapter 9 shares the main producing countries of Automotive Power Discrete, their output value, profit level, regional supply, production capacity layout, etc. from the supply side.

Chapter 10 introduces the basic situation of the main companies in the market in detail, including product sales revenue, sales volume, price, gross profit margin, market share, product introduction, recent development, etc.

Chapter 11 provides a quantitative analysis of the market size and development potential of each region during the forecast period.

Chapter 12 provides a quantitative analysis of the market size and development potential of each market segment during the forecast period.

Chapter 13 is the main points and conclusions of the report.

## Contents

### **1 RESEARCH METHODOLOGY AND STATISTICAL SCOPE**

#### 1.1 Market Definition and Statistical Scope of Automotive Power Discrete

#### 1.2 Key Market Segments

##### 1.2.1 Automotive Power Discrete Segment by Type

##### 1.2.2 Automotive Power Discrete Segment by Application

#### 1.3 Methodology & Sources of Information

##### 1.3.1 Research Methodology

##### 1.3.2 Research Process

##### 1.3.3 Market Breakdown and Data Triangulation

##### 1.3.4 Base Year

##### 1.3.5 Report Assumptions & Caveats

### **2 AUTOMOTIVE POWER DISCRETE MARKET OVERVIEW**

#### 2.1 Global Market Overview

##### 2.1.1 Global Automotive Power Discrete Market Size (M USD) Estimates and Forecasts (2019-2032)

##### 2.1.2 Global Automotive Power Discrete Sales Estimates and Forecasts (2019-2032)

#### 2.2 Market Segment Executive Summary

#### 2.3 Global Market Size by Region

### **3 AUTOMOTIVE POWER DISCRETE MARKET COMPETITIVE LANDSCAPE**

#### 3.1 Global Automotive Power Discrete Sales by Manufacturers (2019-2024)

#### 3.2 Global Automotive Power Discrete Revenue Market Share by Manufacturers (2019-2024)

#### 3.3 Automotive Power Discrete Market Share by Company Type (Tier 1, Tier 2, and Tier 3)

#### 3.4 Global Automotive Power Discrete Average Price by Manufacturers (2019-2024)

#### 3.5 Manufacturers Automotive Power Discrete Sales Sites, Area Served, Product Type

#### 3.6 Automotive Power Discrete Market Competitive Situation and Trends

##### 3.6.1 Automotive Power Discrete Market Concentration Rate

##### 3.6.2 Global 5 and 10 Largest Automotive Power Discrete Players Market Share by Revenue

##### 3.6.3 Mergers & Acquisitions, Expansion

## **4 AUTOMOTIVE POWER DISCRETE INDUSTRY CHAIN ANALYSIS**

- 4.1 Automotive Power Discrete Industry Chain Analysis
- 4.2 Market Overview of Key Raw Materials
- 4.3 Midstream Market Analysis
- 4.4 Downstream Customer Analysis

## **5 THE DEVELOPMENT AND DYNAMICS OF AUTOMOTIVE POWER DISCRETE MARKET**

- 5.1 Key Development Trends
- 5.2 Driving Factors
- 5.3 Market Challenges
- 5.4 Market Restraints
- 5.5 Industry News
  - 5.5.1 New Product Developments
  - 5.5.2 Mergers & Acquisitions
  - 5.5.3 Expansions
  - 5.5.4 Collaboration/Supply Contracts
- 5.6 Industry Policies

## **6 AUTOMOTIVE POWER DISCRETE MARKET SEGMENTATION BY TYPE**

- 6.1 Evaluation Matrix of Segment Market Development Potential (Type)
- 6.2 Global Automotive Power Discrete Sales Market Share by Type (2019-2024)
- 6.3 Global Automotive Power Discrete Market Size Market Share by Type (2019-2024)
- 6.4 Global Automotive Power Discrete Price by Type (2019-2024)

## **7 AUTOMOTIVE POWER DISCRETE MARKET SEGMENTATION BY APPLICATION**

- 7.1 Evaluation Matrix of Segment Market Development Potential (Application)
- 7.2 Global Automotive Power Discrete Market Sales by Application (2019-2024)
- 7.3 Global Automotive Power Discrete Market Size (M USD) by Application (2019-2024)
- 7.4 Global Automotive Power Discrete Sales Growth Rate by Application (2019-2024)

## **8 AUTOMOTIVE POWER DISCRETE MARKET CONSUMPTION BY REGION**

- 8.1 Global Automotive Power Discrete Sales by Region
  - 8.1.1 Global Automotive Power Discrete Sales by Region



### 8.1.2 Global Automotive Power Discrete Sales Market Share by Region

#### 8.2 North America

##### 8.2.1 North America Automotive Power Discrete Sales by Country

##### 8.2.2 U.S.

##### 8.2.3 Canada

##### 8.2.4 Mexico

#### 8.3 Europe

##### 8.3.1 Europe Automotive Power Discrete Sales by Country

##### 8.3.2 Germany

##### 8.3.3 France

##### 8.3.4 U.K.

##### 8.3.5 Italy

##### 8.3.6 Russia

#### 8.4 Asia Pacific

##### 8.4.1 Asia Pacific Automotive Power Discrete Sales by Region

##### 8.4.2 China

##### 8.4.3 Japan

##### 8.4.4 South Korea

##### 8.4.5 India

##### 8.4.6 Southeast Asia

#### 8.5 South America

##### 8.5.1 South America Automotive Power Discrete Sales by Country

##### 8.5.2 Brazil

##### 8.5.3 Argentina

##### 8.5.4 Columbia

#### 8.6 Middle East and Africa

##### 8.6.1 Middle East and Africa Automotive Power Discrete Sales by Region

##### 8.6.2 Saudi Arabia

##### 8.6.3 UAE

##### 8.6.4 Egypt

##### 8.6.5 Nigeria

##### 8.6.6 South Africa

## 9 AUTOMOTIVE POWER DISCRETE MARKET PRODUCTION BY REGION

### 9.1 Global Production of Automotive Power Discrete by Region (2019-2024)

### 9.2 Global Automotive Power Discrete Revenue Market Share by Region (2019-2024)

### 9.3 Global Automotive Power Discrete Production, Revenue, Price and Gross Margin (2019-2024)

## 9.4 North America Automotive Power Discrete Production

### 9.4.1 North America Automotive Power Discrete Production Growth Rate (2019-2024)

### 9.4.2 North America Automotive Power Discrete Production, Revenue, Price and Gross Margin (2019-2024)

## 9.5 Europe Automotive Power Discrete Production

### 9.5.1 Europe Automotive Power Discrete Production Growth Rate (2019-2024)

### 9.5.2 Europe Automotive Power Discrete Production, Revenue, Price and Gross Margin (2019-2024)

## 9.6 Japan Automotive Power Discrete Production (2019-2024)

### 9.6.1 Japan Automotive Power Discrete Production Growth Rate (2019-2024)

### 9.6.2 Japan Automotive Power Discrete Production, Revenue, Price and Gross Margin (2019-2024)

## 9.7 China Automotive Power Discrete Production (2019-2024)

### 9.7.1 China Automotive Power Discrete Production Growth Rate (2019-2024)

### 9.7.2 China Automotive Power Discrete Production, Revenue, Price and Gross Margin (2019-2024)

## 10 KEY COMPANIES PROFILE

### 10.1 Infineon Technologies

#### 10.1.1 Infineon Technologies Automotive Power Discrete Basic Information

#### 10.1.2 Infineon Technologies Automotive Power Discrete Product Overview

#### 10.1.3 Infineon Technologies Automotive Power Discrete Product Market Performance

#### 10.1.4 Infineon Technologies Business Overview

#### 10.1.5 Infineon Technologies Automotive Power Discrete SWOT Analysis

#### 10.1.6 Infineon Technologies Recent Developments

### 10.2 Robert Bosch

#### 10.2.1 Robert Bosch Automotive Power Discrete Basic Information

#### 10.2.2 Robert Bosch Automotive Power Discrete Product Overview

#### 10.2.3 Robert Bosch Automotive Power Discrete Product Market Performance

#### 10.2.4 Robert Bosch Business Overview

#### 10.2.5 Robert Bosch Automotive Power Discrete SWOT Analysis

#### 10.2.6 Robert Bosch Recent Developments

### 10.3 Continental AG

#### 10.3.1 Continental AG Automotive Power Discrete Basic Information

#### 10.3.2 Continental AG Automotive Power Discrete Product Overview

#### 10.3.3 Continental AG Automotive Power Discrete Product Market Performance

#### 10.3.4 Continental AG Automotive Power Discrete SWOT Analysis

#### 10.3.5 Continental AG Business Overview

- 10.3.6 Continental AG Recent Developments
- 10.4 ON Semiconductor
  - 10.4.1 ON Semiconductor Automotive Power Discrete Basic Information
  - 10.4.2 ON Semiconductor Automotive Power Discrete Product Overview
  - 10.4.3 ON Semiconductor Automotive Power Discrete Product Market Performance
  - 10.4.4 ON Semiconductor Business Overview
  - 10.4.5 ON Semiconductor Recent Developments
- 10.5 Rohm Semiconductor
  - 10.5.1 Rohm Semiconductor Automotive Power Discrete Basic Information
  - 10.5.2 Rohm Semiconductor Automotive Power Discrete Product Overview
  - 10.5.3 Rohm Semiconductor Automotive Power Discrete Product Market Performance
  - 10.5.4 Rohm Semiconductor Business Overview
  - 10.5.5 Rohm Semiconductor Recent Developments
- 10.6 ST Microelectronics
  - 10.6.1 ST Microelectronics Automotive Power Discrete Basic Information
  - 10.6.2 ST Microelectronics Automotive Power Discrete Product Overview
  - 10.6.3 ST Microelectronics Automotive Power Discrete Product Market Performance
  - 10.6.4 ST Microelectronics Business Overview
  - 10.6.5 ST Microelectronics Recent Developments
- 10.7 Danfoss
  - 10.7.1 Danfoss Automotive Power Discrete Basic Information
  - 10.7.2 Danfoss Automotive Power Discrete Product Overview
  - 10.7.3 Danfoss Automotive Power Discrete Product Market Performance
  - 10.7.4 Danfoss Business Overview
  - 10.7.5 Danfoss Recent Developments
- 10.8 Vishay
  - 10.8.1 Vishay Automotive Power Discrete Basic Information
  - 10.8.2 Vishay Automotive Power Discrete Product Overview
  - 10.8.3 Vishay Automotive Power Discrete Product Market Performance
  - 10.8.4 Vishay Business Overview
  - 10.8.5 Vishay Recent Developments
- 10.9 Freescale Semiconductor
  - 10.9.1 Freescale Semiconductor Automotive Power Discrete Basic Information
  - 10.9.2 Freescale Semiconductor Automotive Power Discrete Product Overview
  - 10.9.3 Freescale Semiconductor Automotive Power Discrete Product Market Performance
  - 10.9.4 Freescale Semiconductor Business Overview
  - 10.9.5 Freescale Semiconductor Recent Developments
- 10.10 Texas Instruments.

- 10.10.1 Texas Instruments. Automotive Power Discrete Basic Information
- 10.10.2 Texas Instruments. Automotive Power Discrete Product Overview
- 10.10.3 Texas Instruments. Automotive Power Discrete Product Market Performance
- 10.10.4 Texas Instruments. Business Overview
- 10.10.5 Texas Instruments. Recent Developments
- 10.11 Rockwell Automation
  - 10.11.1 Rockwell Automation Automotive Power Discrete Basic Information
  - 10.11.2 Rockwell Automation Automotive Power Discrete Product Overview
  - 10.11.3 Rockwell Automation Automotive Power Discrete Product Market Performance
  - 10.11.4 Rockwell Automation Business Overview
  - 10.11.5 Rockwell Automation Recent Developments

## **11 AUTOMOTIVE POWER DISCRETE MARKET FORECAST BY REGION**

- 11.1 Global Automotive Power Discrete Market Size Forecast
- 11.2 Global Automotive Power Discrete Market Forecast by Region
  - 11.2.1 North America Market Size Forecast by Country
  - 11.2.2 Europe Automotive Power Discrete Market Size Forecast by Country
  - 11.2.3 Asia Pacific Automotive Power Discrete Market Size Forecast by Region
  - 11.2.4 South America Automotive Power Discrete Market Size Forecast by Country
  - 11.2.5 Middle East and Africa Forecasted Consumption of Automotive Power Discrete by Country

## **12 FORECAST MARKET BY TYPE AND BY APPLICATION (2025-2032)**

- 12.1 Global Automotive Power Discrete Market Forecast by Type (2025-2032)
  - 12.1.1 Global Forecasted Sales of Automotive Power Discrete by Type (2025-2032)
  - 12.1.2 Global Automotive Power Discrete Market Size Forecast by Type (2025-2032)
  - 12.1.3 Global Forecasted Price of Automotive Power Discrete by Type (2025-2032)
- 12.2 Global Automotive Power Discrete Market Forecast by Application (2025-2032)
  - 12.2.1 Global Automotive Power Discrete Sales (K Units) Forecast by Application
  - 12.2.2 Global Automotive Power Discrete Market Size (M USD) Forecast by Application (2025-2032)

## **13 CONCLUSION AND KEY FINDINGS**

## List Of Tables

### LIST OF TABLES

Table 1. Introduction of the Type

Table 2. Introduction of the Application

Table 3. Market Size (M USD) Segment Executive Summary

Table 4. Automotive Power Discrete Market Size Comparison by Region (M USD)

Table 5. Global Automotive Power Discrete Sales (K Units) by Manufacturers  
(2019-2024)

Table 6. Global Automotive Power Discrete Sales Market Share by Manufacturers  
(2019-2024)

Table 7. Global Automotive Power Discrete Revenue (M USD) by Manufacturers  
(2019-2024)

Table 8. Global Automotive Power Discrete Revenue Share by Manufacturers  
(2019-2024)

Table 9. Company Type (Tier 1, Tier 2, and Tier 3) & (based on the Revenue in  
Automotive Power Discrete as of 2022)

Table 10. Global Market Automotive Power Discrete Average Price (USD/Unit) of Key  
Manufacturers (2019-2024)

Table 11. Manufacturers Automotive Power Discrete Sales Sites and Area Served

Table 12. Manufacturers Automotive Power Discrete Product Type

Table 13. Global Automotive Power Discrete Manufacturers Market Concentration Ratio  
(CR5 and HHI)

Table 14. Mergers & Acquisitions, Expansion Plans

Table 15. Industry Chain Map of Automotive Power Discrete

Table 16. Market Overview of Key Raw Materials

Table 17. Midstream Market Analysis

Table 18. Downstream Customer Analysis

Table 19. Key Development Trends

Table 20. Driving Factors

Table 21. Automotive Power Discrete Market Challenges

Table 22. Global Automotive Power Discrete Sales by Type (K Units)

Table 23. Global Automotive Power Discrete Market Size by Type (M USD)

Table 24. Global Automotive Power Discrete Sales (K Units) by Type (2019-2024)

Table 25. Global Automotive Power Discrete Sales Market Share by Type (2019-2024)

Table 26. Global Automotive Power Discrete Market Size (M USD) by Type (2019-2024)

Table 27. Global Automotive Power Discrete Market Size Share by Type (2019-2024)

Table 28. Global Automotive Power Discrete Price (USD/Unit) by Type (2019-2024)

Table 29. Global Automotive Power Discrete Sales (K Units) by Application
Table 30. Global Automotive Power Discrete Market Size by Application
Table 31. Global Automotive Power Discrete Sales by Application (2019-2024) & (K Units)
Table 32. Global Automotive Power Discrete Sales Market Share by Application (2019-2024)
Table 33. Global Automotive Power Discrete Sales by Application (2019-2024) & (M USD)
Table 34. Global Automotive Power Discrete Market Share by Application (2019-2024)
Table 35. Global Automotive Power Discrete Sales Growth Rate by Application (2019-2024)
Table 36. Global Automotive Power Discrete Sales by Region (2019-2024) & (K Units)
Table 37. Global Automotive Power Discrete Sales Market Share by Region (2019-2024)
Table 38. North America Automotive Power Discrete Sales by Country (2019-2024) & (K Units)
Table 39. Europe Automotive Power Discrete Sales by Country (2019-2024) & (K Units)
Table 40. Asia Pacific Automotive Power Discrete Sales by Region (2019-2024) & (K Units)
Table 41. South America Automotive Power Discrete Sales by Country (2019-2024) & (K Units)
Table 42. Middle East and Africa Automotive Power Discrete Sales by Region (2019-2024) & (K Units)
Table 43. Global Automotive Power Discrete Production (K Units) by Region (2019-2024)
Table 44. Global Automotive Power Discrete Revenue (US\$ Million) by Region (2019-2024)
Table 45. Global Automotive Power Discrete Revenue Market Share by Region (2019-2024)
Table 46. Global Automotive Power Discrete Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)
Table 47. North America Automotive Power Discrete Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)
Table 48. Europe Automotive Power Discrete Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)
Table 49. Japan Automotive Power Discrete Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)
Table 50. China Automotive Power Discrete Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)



Table 51. Infineon Technologies Automotive Power Discrete Basic Information
Table 52. Infineon Technologies Automotive Power Discrete Product Overview
Table 53. Infineon Technologies Automotive Power Discrete Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)
Table 54. Infineon Technologies Business Overview
Table 55. Infineon Technologies Automotive Power Discrete SWOT Analysis
Table 56. Infineon Technologies Recent Developments
Table 57. Robert Bosch Automotive Power Discrete Basic Information
Table 58. Robert Bosch Automotive Power Discrete Product Overview
Table 59. Robert Bosch Automotive Power Discrete Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)
Table 60. Robert Bosch Business Overview
Table 61. Robert Bosch Automotive Power Discrete SWOT Analysis
Table 62. Robert Bosch Recent Developments
Table 63. Continental AG Automotive Power Discrete Basic Information
Table 64. Continental AG Automotive Power Discrete Product Overview
Table 65. Continental AG Automotive Power Discrete Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)
Table 66. Continental AG Automotive Power Discrete SWOT Analysis
Table 67. Continental AG Business Overview
Table 68. Continental AG Recent Developments
Table 69. ON Semiconductor Automotive Power Discrete Basic Information
Table 70. ON Semiconductor Automotive Power Discrete Product Overview
Table 71. ON Semiconductor Automotive Power Discrete Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)
Table 72. ON Semiconductor Business Overview
Table 73. ON Semiconductor Recent Developments
Table 74. Rohm Semiconductor Automotive Power Discrete Basic Information
Table 75. Rohm Semiconductor Automotive Power Discrete Product Overview
Table 76. Rohm Semiconductor Automotive Power Discrete Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)
Table 77. Rohm Semiconductor Business Overview
Table 78. Rohm Semiconductor Recent Developments
Table 79. ST Microelectronics Automotive Power Discrete Basic Information
Table 80. ST Microelectronics Automotive Power Discrete Product Overview
Table 81. ST Microelectronics Automotive Power Discrete Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)
Table 82. ST Microelectronics Business Overview
Table 83. ST Microelectronics Recent Developments

Table 84. Danfoss Automotive Power Discrete Basic Information
Table 85. Danfoss Automotive Power Discrete Product Overview
Table 86. Danfoss Automotive Power Discrete Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)
Table 87. Danfoss Business Overview
Table 88. Danfoss Recent Developments
Table 89. Vishay Automotive Power Discrete Basic Information
Table 90. Vishay Automotive Power Discrete Product Overview
Table 91. Vishay Automotive Power Discrete Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)
Table 92. Vishay Business Overview
Table 93. Vishay Recent Developments
Table 94. Freescale Semiconductor Automotive Power Discrete Basic Information
Table 95. Freescale Semiconductor Automotive Power Discrete Product Overview
Table 96. Freescale Semiconductor Automotive Power Discrete Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)
Table 97. Freescale Semiconductor Business Overview
Table 98. Freescale Semiconductor Recent Developments
Table 99. Texas Instruments. Automotive Power Discrete Basic Information
Table 100. Texas Instruments. Automotive Power Discrete Product Overview
Table 101. Texas Instruments. Automotive Power Discrete Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)
Table 102. Texas Instruments. Business Overview
Table 103. Texas Instruments. Recent Developments
Table 104. Rockwell Automation Automotive Power Discrete Basic Information
Table 105. Rockwell Automation Automotive Power Discrete Product Overview
Table 106. Rockwell Automation Automotive Power Discrete Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)
Table 107. Rockwell Automation Business Overview
Table 108. Rockwell Automation Recent Developments
Table 109. Global Automotive Power Discrete Sales Forecast by Region (2025-2032) & (K Units)
Table 110. Global Automotive Power Discrete Market Size Forecast by Region (2025-2032) & (M USD)
Table 111. North America Automotive Power Discrete Sales Forecast by Country (2025-2032) & (K Units)
Table 112. North America Automotive Power Discrete Market Size Forecast by Country (2025-2032) & (M USD)
Table 113. Europe Automotive Power Discrete Sales Forecast by Country (2025-2032)



& (K Units)

Table 114. Europe Automotive Power Discrete Market Size Forecast by Country (2025-2032) & (M USD)

Table 115. Asia Pacific Automotive Power Discrete Sales Forecast by Region (2025-2032) & (K Units)

Table 116. Asia Pacific Automotive Power Discrete Market Size Forecast by Region (2025-2032) & (M USD)

Table 117. South America Automotive Power Discrete Sales Forecast by Country (2025-2032) & (K Units)

Table 118. South America Automotive Power Discrete Market Size Forecast by Country (2025-2032) & (M USD)

Table 119. Middle East and Africa Automotive Power Discrete Consumption Forecast by Country (2025-2032) & (Units)

Table 120. Middle East and Africa Automotive Power Discrete Market Size Forecast by Country (2025-2032) & (M USD)

Table 121. Global Automotive Power Discrete Sales Forecast by Type (2025-2032) & (K Units)

Table 122. Global Automotive Power Discrete Market Size Forecast by Type (2025-2032) & (M USD)

Table 123. Global Automotive Power Discrete Price Forecast by Type (2025-2032) & (USD/Unit)

Table 124. Global Automotive Power Discrete Sales (K Units) Forecast by Application (2025-2032)

Table 125. Global Automotive Power Discrete Market Size Forecast by Application (2025-2032) & (M USD)

## List Of Figures

### LIST OF FIGURES

- Figure 1. Product Picture of Automotive Power Discrete
- Figure 2. Data Triangulation
- Figure 3. Key Caveats
- Figure 4. Global Automotive Power Discrete Market Size (M USD), 2019-2032
- Figure 5. Global Automotive Power Discrete Market Size (M USD) (2019-2032)
- Figure 6. Global Automotive Power Discrete Sales (K Units) & (2019-2032)
- Figure 7. Evaluation Matrix of Segment Market Development Potential (Type)
- Figure 8. Evaluation Matrix of Segment Market Development Potential (Application)
- Figure 9. Evaluation Matrix of Regional Market Development Potential
- Figure 10. Automotive Power Discrete Market Size by Country (M USD)
- Figure 11. Automotive Power Discrete Sales Share by Manufacturers in 2023
- Figure 12. Global Automotive Power Discrete Revenue Share by Manufacturers in 2023
- Figure 13. Automotive Power Discrete Market Share by Company Type (Tier 1, Tier 2 and Tier 3): 2023
- Figure 14. Global Market Automotive Power Discrete Average Price (USD/Unit) of Key Manufacturers in 2023
- Figure 15. The Global 5 and 10 Largest Players: Market Share by Automotive Power Discrete Revenue in 2023
- Figure 16. Evaluation Matrix of Segment Market Development Potential (Type)
- Figure 17. Global Automotive Power Discrete Market Share by Type
- Figure 18. Sales Market Share of Automotive Power Discrete by Type (2019-2024)
- Figure 19. Sales Market Share of Automotive Power Discrete by Type in 2023
- Figure 20. Market Size Share of Automotive Power Discrete by Type (2019-2024)
- Figure 21. Market Size Market Share of Automotive Power Discrete by Type in 2023
- Figure 22. Evaluation Matrix of Segment Market Development Potential (Application)
- Figure 23. Global Automotive Power Discrete Market Share by Application
- Figure 24. Global Automotive Power Discrete Sales Market Share by Application (2019-2024)
- Figure 25. Global Automotive Power Discrete Sales Market Share by Application in 2023
- Figure 26. Global Automotive Power Discrete Market Share by Application (2019-2024)
- Figure 27. Global Automotive Power Discrete Market Share by Application in 2023
- Figure 28. Global Automotive Power Discrete Sales Growth Rate by Application (2019-2024)
- Figure 29. Global Automotive Power Discrete Sales Market Share by Region

(2019-2024)

Figure 30. North America Automotive Power Discrete Sales and Growth Rate (2019-2024) & (K Units)

Figure 31. North America Automotive Power Discrete Sales Market Share by Country in 2023

Figure 32. U.S. Automotive Power Discrete Sales and Growth Rate (2019-2024) & (K Units)

Figure 33. Canada Automotive Power Discrete Sales (K Units) and Growth Rate (2019-2024)

Figure 34. Mexico Automotive Power Discrete Sales (Units) and Growth Rate (2019-2024)

Figure 35. Europe Automotive Power Discrete Sales and Growth Rate (2019-2024) & (K Units)

Figure 36. Europe Automotive Power Discrete Sales Market Share by Country in 2023

Figure 37. Germany Automotive Power Discrete Sales and Growth Rate (2019-2024) & (K Units)

Figure 38. France Automotive Power Discrete Sales and Growth Rate (2019-2024) & (K Units)

Figure 39. U.K. Automotive Power Discrete Sales and Growth Rate (2019-2024) & (K Units)

Figure 40. Italy Automotive Power Discrete Sales and Growth Rate (2019-2024) & (K Units)

Figure 41. Russia Automotive Power Discrete Sales and Growth Rate (2019-2024) & (K Units)

Figure 42. Asia Pacific Automotive Power Discrete Sales and Growth Rate (K Units)

Figure 43. Asia Pacific Automotive Power Discrete Sales Market Share by Region in 2023

Figure 44. China Automotive Power Discrete Sales and Growth Rate (2019-2024) & (K Units)

Figure 45. Japan Automotive Power Discrete Sales and Growth Rate (2019-2024) & (K Units)

Figure 46. South Korea Automotive Power Discrete Sales and Growth Rate (2019-2024) & (K Units)

Figure 47. India Automotive Power Discrete Sales and Growth Rate (2019-2024) & (K Units)

Figure 48. Southeast Asia Automotive Power Discrete Sales and Growth Rate (2019-2024) & (K Units)

Figure 49. South America Automotive Power Discrete Sales and Growth Rate (K Units)

Figure 50. South America Automotive Power Discrete Sales Market Share by Country in

2023

Figure 51. Brazil Automotive Power Discrete Sales and Growth Rate (2019-2024) & (K Units)

Figure 52. Argentina Automotive Power Discrete Sales and Growth Rate (2019-2024) & (K Units)

Figure 53. Columbia Automotive Power Discrete Sales and Growth Rate (2019-2024) & (K Units)

Figure 54. Middle East and Africa Automotive Power Discrete Sales and Growth Rate (K Units)

Figure 55. Middle East and Africa Automotive Power Discrete Sales Market Share by Region in 2023

Figure 56. Saudi Arabia Automotive Power Discrete Sales and Growth Rate (2019-2024) & (K Units)

Figure 57. UAE Automotive Power Discrete Sales and Growth Rate (2019-2024) & (K Units)

Figure 58. Egypt Automotive Power Discrete Sales and Growth Rate (2019-2024) & (K Units)

Figure 59. Nigeria Automotive Power Discrete Sales and Growth Rate (2019-2024) & (K Units)

Figure 60. South Africa Automotive Power Discrete Sales and Growth Rate (2019-2024) & (K Units)

Figure 61. Global Automotive Power Discrete Production Market Share by Region (2019-2024)

Figure 62. North America Automotive Power Discrete Production (K Units) Growth Rate (2019-2024)

Figure 63. Europe Automotive Power Discrete Production (K Units) Growth Rate (2019-2024)

Figure 64. Japan Automotive Power Discrete Production (K Units) Growth Rate (2019-2024)

Figure 65. China Automotive Power Discrete Production (K Units) Growth Rate (2019-2024)

Figure 66. Global Automotive Power Discrete Sales Forecast by Volume (2019-2032) & (K Units)

Figure 67. Global Automotive Power Discrete Market Size Forecast by Value (2019-2032) & (M USD)

Figure 68. Global Automotive Power Discrete Sales Market Share Forecast by Type (2025-2032)

Figure 69. Global Automotive Power Discrete Market Share Forecast by Type (2025-2032)

Figure 70. Global Automotive Power Discrete Sales Forecast by Application  
(2025-2032)

Figure 71. Global Automotive Power Discrete Market Share Forecast by Application  
(2025-2032)

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