

Global Automotive Power Electronics in Energy-Saving and New Energy Vehicles Market Growth 2025-2031

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Abstracts

The global Automotive Power Electronics in Energy-Saving and New Energy Vehicles market size is predicted to grow from US\$ million in 2025 to US\$ million in 2031; it is expected to grow at a CAGR of % 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.

Automotive power electronics in energy-saving and new energy vehicles includes diode, silicon controlled rectifier (SCR), thyristor, gate cut-off thyristor, TRIAC, bipolar junction transistor (BJT), power MOSFET and other solid-state devices. The application of power electronics in energy saving and new energy vehicles plays an important role in controlling automobile electronics. Automotive electronics include modern electric power steering, HEV main inverter, central body control, braking system, seat control, etc.

United States market for Automotive Power Electronics in Energy-Saving and New Energy Vehicles is estimated to increase from US\$ million in 2024 to US\$ million by 2031, at a CAGR of % from 2025 through 2031.

China market for Automotive Power Electronics in Energy-Saving and New Energy Vehicles is estimated to increase from US\$ million in 2024 to US\$ million by 2031, at a CAGR of % from 2025 through 2031.

Europe market for Automotive Power Electronics in Energy-Saving and New Energy Vehicles is estimated to increase from US\$ million in 2024 to US\$ million by 2031, at a

CAGR of % from 2025 through 2031.

Global key Automotive Power Electronics in Energy-Saving and New Energy Vehicles players cover Continental, Mitsubishi Electric, Texas Instruments, Robert Bosch, Toshiba Corp, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2024.

LP Information, Inc. (LPI) ' newest research report, the “Automotive Power Electronics in Energy-Saving and New Energy Vehicles Industry Forecast” looks at past sales and reviews total world Automotive Power Electronics in Energy-Saving and New Energy Vehicles sales in 2024, providing a comprehensive analysis by region and market sector of projected Automotive Power Electronics in Energy-Saving and New Energy Vehicles sales for 2025 through 2031. With Automotive Power Electronics in Energy-Saving and New Energy Vehicles sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Automotive Power Electronics in Energy-Saving and New Energy Vehicles industry.

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

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Automotive Power Electronics in Energy-Saving and New Energy Vehicles 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 Automotive Power Electronics in Energy-Saving and New Energy Vehicles.

This report presents a comprehensive overview, market shares, and growth opportunities of Automotive Power Electronics in Energy-Saving and New Energy Vehicles market by product type, application, key manufacturers and key regions and

countries.

Segmentation by Type:

MCUs

Sensors

Power ICs

Segmentation by Application:

Hybrid Vehicle

Pure Electric Vehicle

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.

Continental

Mitsubishi Electric

Texas Instruments

Robert Bosch

Toshiba Corp

ON Semiconductor

Infineon Technologies

Maxim Products

NXP Semiconductors

Qualcomm

ACTIA Group

STMicroelectronics

Renesas Electronics Corp

Vishay Intertechnology

Fuji Electric

International Rectifier

BYD

Delphi

Delta Electronics

Denso

Semikron

Meidensha

JEE Automation

Key Questions Addressed in this Report

What is the 10-year outlook for the global Automotive Power Electronics in Energy-Saving and New Energy Vehicles market?

What factors are driving Automotive Power Electronics in Energy-Saving and New Energy Vehicles market growth, globally and by region?

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

How do Automotive Power Electronics in Energy-Saving and New Energy Vehicles market opportunities vary by end market size?

How does Automotive Power Electronics in Energy-Saving and New Energy Vehicles break out by Type, by Application?

Contents

1 SCOPE OF THE REPORT

- 1.1 Market Introduction
- 1.2 Years Considered
- 1.3 Research Objectives
- 1.4 Market Research Methodology
- 1.5 Research Process and Data Source
- 1.6 Economic Indicators
- 1.7 Currency Considered
- 1.8 Market Estimation Caveats

2 EXECUTIVE SUMMARY

2.1 World Market Overview

2.1.1 Global Automotive Power Electronics in Energy-Saving and New Energy Vehicles Annual Sales 2020-2031

2.1.2 World Current & Future Analysis for Automotive Power Electronics in Energy-Saving and New Energy Vehicles by Geographic Region, 2020, 2024 & 2031

2.1.3 World Current & Future Analysis for Automotive Power Electronics in Energy-Saving and New Energy Vehicles by Country/Region, 2020, 2024 & 2031

2.2 Automotive Power Electronics in Energy-Saving and New Energy Vehicles Segment by Type

2.2.1 MCUs

2.2.2 Sensors

2.2.3 Power ICs

2.3 Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales by Type

2.3.1 Global Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales Market Share by Type (2020-2025)

2.3.2 Global Automotive Power Electronics in Energy-Saving and New Energy Vehicles Revenue and Market Share by Type (2020-2025)

2.3.3 Global Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sale Price by Type (2020-2025)

2.4 Automotive Power Electronics in Energy-Saving and New Energy Vehicles Segment by Application

2.4.1 Hybrid Vehicle

2.4.2 Pure Electric Vehicle

2.5 Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales by Application

2.5.1 Global Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sale Market Share by Application (2020-2025)

2.5.2 Global Automotive Power Electronics in Energy-Saving and New Energy Vehicles Revenue and Market Share by Application (2020-2025)

2.5.3 Global Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sale Price by Application (2020-2025)

3 GLOBAL BY COMPANY

3.1 Global Automotive Power Electronics in Energy-Saving and New Energy Vehicles Breakdown Data by Company

3.1.1 Global Automotive Power Electronics in Energy-Saving and New Energy Vehicles Annual Sales by Company (2020-2025)

3.1.2 Global Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales Market Share by Company (2020-2025)

3.2 Global Automotive Power Electronics in Energy-Saving and New Energy Vehicles Annual Revenue by Company (2020-2025)

3.2.1 Global Automotive Power Electronics in Energy-Saving and New Energy Vehicles Revenue by Company (2020-2025)

3.2.2 Global Automotive Power Electronics in Energy-Saving and New Energy Vehicles Revenue Market Share by Company (2020-2025)

3.3 Global Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sale Price by Company

3.4 Key Manufacturers Automotive Power Electronics in Energy-Saving and New Energy Vehicles Producing Area Distribution, Sales Area, Product Type

3.4.1 Key Manufacturers Automotive Power Electronics in Energy-Saving and New Energy Vehicles Product Location Distribution

3.4.2 Players Automotive Power Electronics in Energy-Saving and New Energy Vehicles Products Offered

3.5 Market Concentration Rate Analysis

3.5.1 Competition Landscape Analysis

3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2023-2025)

3.6 New Products and Potential Entrants

3.7 Market M&A Activity & Strategy

4 WORLD HISTORIC REVIEW FOR AUTOMOTIVE POWER ELECTRONICS IN ENERGY-SAVING AND NEW ENERGY VEHICLES BY GEOGRAPHIC REGION

4.1 World Historic Automotive Power Electronics in Energy-Saving and New Energy Vehicles Market Size by Geographic Region (2020-2025)

4.1.1 Global Automotive Power Electronics in Energy-Saving and New Energy Vehicles Annual Sales by Geographic Region (2020-2025)

4.1.2 Global Automotive Power Electronics in Energy-Saving and New Energy Vehicles Annual Revenue by Geographic Region (2020-2025)

4.2 World Historic Automotive Power Electronics in Energy-Saving and New Energy Vehicles Market Size by Country/Region (2020-2025)

4.2.1 Global Automotive Power Electronics in Energy-Saving and New Energy Vehicles Annual Sales by Country/Region (2020-2025)

4.2.2 Global Automotive Power Electronics in Energy-Saving and New Energy Vehicles Annual Revenue by Country/Region (2020-2025)

4.3 Americas Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales Growth

4.4 APAC Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales Growth

4.5 Europe Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales Growth

4.6 Middle East & Africa Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales Growth

5 AMERICAS

5.1 Americas Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales by Country

5.1.1 Americas Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales by Country (2020-2025)

5.1.2 Americas Automotive Power Electronics in Energy-Saving and New Energy Vehicles Revenue by Country (2020-2025)

5.2 Americas Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales by Type (2020-2025)

5.3 Americas Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales by Application (2020-2025)

5.4 United States

5.5 Canada

5.6 Mexico

5.7 Brazil

6 APAC

6.1 APAC Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales by Region

6.1.1 APAC Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales by Region (2020-2025)

6.1.2 APAC Automotive Power Electronics in Energy-Saving and New Energy Vehicles Revenue by Region (2020-2025)

6.2 APAC Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales by Type (2020-2025)

6.3 APAC Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales by Application (2020-2025)

6.4 China

6.5 Japan

6.6 South Korea

6.7 Southeast Asia

6.8 India

6.9 Australia

6.10 China Taiwan

7 EUROPE

7.1 Europe Automotive Power Electronics in Energy-Saving and New Energy Vehicles by Country

7.1.1 Europe Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales by Country (2020-2025)

7.1.2 Europe Automotive Power Electronics in Energy-Saving and New Energy Vehicles Revenue by Country (2020-2025)

7.2 Europe Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales by Type (2020-2025)

7.3 Europe Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales by Application (2020-2025)

7.4 Germany

7.5 France

7.6 UK

7.7 Italy

7.8 Russia

8 MIDDLE EAST & AFRICA

8.1 Middle East & Africa Automotive Power Electronics in Energy-Saving and New Energy Vehicles by Country

8.1.1 Middle East & Africa Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales by Country (2020-2025)

8.1.2 Middle East & Africa Automotive Power Electronics in Energy-Saving and New Energy Vehicles Revenue by Country (2020-2025)

8.2 Middle East & Africa Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales by Type (2020-2025)

8.3 Middle East & Africa Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales by Application (2020-2025)

8.4 Egypt

8.5 South Africa

8.6 Israel

8.7 Turkey

8.8 GCC Countries

9 MARKET DRIVERS, CHALLENGES AND TRENDS

9.1 Market Drivers & Growth Opportunities

9.2 Market Challenges & Risks

9.3 Industry Trends

10 MANUFACTURING COST STRUCTURE ANALYSIS

10.1 Raw Material and Suppliers

10.2 Manufacturing Cost Structure Analysis of Automotive Power Electronics in Energy-Saving and New Energy Vehicles

10.3 Manufacturing Process Analysis of Automotive Power Electronics in Energy-Saving and New Energy Vehicles

10.4 Industry Chain Structure of Automotive Power Electronics in Energy-Saving and New Energy Vehicles

11 MARKETING, DISTRIBUTORS AND CUSTOMER

11.1 Sales Channel

11.1.1 Direct Channels

11.1.2 Indirect Channels

11.2 Automotive Power Electronics in Energy-Saving and New Energy Vehicles

Distributors

11.3 Automotive Power Electronics in Energy-Saving and New Energy Vehicles

Customer

12 WORLD FORECAST REVIEW FOR AUTOMOTIVE POWER ELECTRONICS IN ENERGY-SAVING AND NEW ENERGY VEHICLES BY GEOGRAPHIC REGION

12.1 Global Automotive Power Electronics in Energy-Saving and New Energy Vehicles Market Size Forecast by Region

12.1.1 Global Automotive Power Electronics in Energy-Saving and New Energy Vehicles Forecast by Region (2026-2031)

12.1.2 Global Automotive Power Electronics in Energy-Saving and New Energy Vehicles Annual Revenue Forecast by Region (2026-2031)

12.2 Americas Forecast by Country (2026-2031)

12.3 APAC Forecast by Region (2026-2031)

12.4 Europe Forecast by Country (2026-2031)

12.5 Middle East & Africa Forecast by Country (2026-2031)

12.6 Global Automotive Power Electronics in Energy-Saving and New Energy Vehicles Forecast by Type (2026-2031)

12.7 Global Automotive Power Electronics in Energy-Saving and New Energy Vehicles Forecast by Application (2026-2031)

13 KEY PLAYERS ANALYSIS

13.1 Continental

13.1.1 Continental Company Information

13.1.2 Continental Automotive Power Electronics in Energy-Saving and New Energy Vehicles Product Portfolios and Specifications

13.1.3 Continental Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales, Revenue, Price and Gross Margin (2020-2025)

13.1.4 Continental Main Business Overview

13.1.5 Continental Latest Developments

13.2 Mitsubishi Electric

13.2.1 Mitsubishi Electric Company Information

13.2.2 Mitsubishi Electric Automotive Power Electronics in Energy-Saving and New Energy Vehicles Product Portfolios and Specifications

13.2.3 Mitsubishi Electric Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales, Revenue, Price and Gross Margin (2020-2025)

13.2.4 Mitsubishi Electric Main Business Overview

- 13.2.5 Mitsubishi Electric Latest Developments
- 13.3 Texas Instruments
 - 13.3.1 Texas Instruments Company Information
 - 13.3.2 Texas Instruments Automotive Power Electronics in Energy-Saving and New Energy Vehicles Product Portfolios and Specifications
 - 13.3.3 Texas Instruments Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales, Revenue, Price and Gross Margin (2020-2025)
 - 13.3.4 Texas Instruments Main Business Overview
 - 13.3.5 Texas Instruments Latest Developments
- 13.4 Robert Bosch
 - 13.4.1 Robert Bosch Company Information
 - 13.4.2 Robert Bosch Automotive Power Electronics in Energy-Saving and New Energy Vehicles Product Portfolios and Specifications
 - 13.4.3 Robert Bosch Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales, Revenue, Price and Gross Margin (2020-2025)
 - 13.4.4 Robert Bosch Main Business Overview
 - 13.4.5 Robert Bosch Latest Developments
- 13.5 Toshiba Corp
 - 13.5.1 Toshiba Corp Company Information
 - 13.5.2 Toshiba Corp Automotive Power Electronics in Energy-Saving and New Energy Vehicles Product Portfolios and Specifications
 - 13.5.3 Toshiba Corp Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales, Revenue, Price and Gross Margin (2020-2025)
 - 13.5.4 Toshiba Corp Main Business Overview
 - 13.5.5 Toshiba Corp Latest Developments
- 13.6 ON Semiconductor
 - 13.6.1 ON Semiconductor Company Information
 - 13.6.2 ON Semiconductor Automotive Power Electronics in Energy-Saving and New Energy Vehicles Product Portfolios and Specifications
 - 13.6.3 ON Semiconductor Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales, Revenue, Price and Gross Margin (2020-2025)
 - 13.6.4 ON Semiconductor Main Business Overview
 - 13.6.5 ON Semiconductor Latest Developments
- 13.7 Infineon Technologies
 - 13.7.1 Infineon Technologies Company Information
 - 13.7.2 Infineon Technologies Automotive Power Electronics in Energy-Saving and New Energy Vehicles Product Portfolios and Specifications
 - 13.7.3 Infineon Technologies Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales, Revenue, Price and Gross Margin (2020-2025)

- 13.7.4 Infineon Technologies Main Business Overview
- 13.7.5 Infineon Technologies Latest Developments
- 13.8 Maxim Products
 - 13.8.1 Maxim Products Company Information
 - 13.8.2 Maxim Products Automotive Power Electronics in Energy-Saving and New Energy Vehicles Product Portfolios and Specifications
 - 13.8.3 Maxim Products Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales, Revenue, Price and Gross Margin (2020-2025)
 - 13.8.4 Maxim Products Main Business Overview
 - 13.8.5 Maxim Products Latest Developments
- 13.9 NXP Semiconductors
 - 13.9.1 NXP Semiconductors Company Information
 - 13.9.2 NXP Semiconductors Automotive Power Electronics in Energy-Saving and New Energy Vehicles Product Portfolios and Specifications
 - 13.9.3 NXP Semiconductors Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales, Revenue, Price and Gross Margin (2020-2025)
 - 13.9.4 NXP Semiconductors Main Business Overview
 - 13.9.5 NXP Semiconductors Latest Developments
- 13.10 Qualcomm
 - 13.10.1 Qualcomm Company Information
 - 13.10.2 Qualcomm Automotive Power Electronics in Energy-Saving and New Energy Vehicles Product Portfolios and Specifications
 - 13.10.3 Qualcomm Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales, Revenue, Price and Gross Margin (2020-2025)
 - 13.10.4 Qualcomm Main Business Overview
 - 13.10.5 Qualcomm Latest Developments
- 13.11 ACTIA Group
 - 13.11.1 ACTIA Group Company Information
 - 13.11.2 ACTIA Group Automotive Power Electronics in Energy-Saving and New Energy Vehicles Product Portfolios and Specifications
 - 13.11.3 ACTIA Group Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales, Revenue, Price and Gross Margin (2020-2025)
 - 13.11.4 ACTIA Group Main Business Overview
 - 13.11.5 ACTIA Group Latest Developments
- 13.12 STMicroelectronics
 - 13.12.1 STMicroelectronics Company Information
 - 13.12.2 STMicroelectronics Automotive Power Electronics in Energy-Saving and New Energy Vehicles Product Portfolios and Specifications
 - 13.12.3 STMicroelectronics Automotive Power Electronics in Energy-Saving and New

Energy Vehicles Sales, Revenue, Price and Gross Margin (2020-2025)

13.12.4 STMicroelectronics Main Business Overview

13.12.5 STMicroelectronics Latest Developments

13.13 Renesas Electronics Corp

13.13.1 Renesas Electronics Corp Company Information

13.13.2 Renesas Electronics Corp Automotive Power Electronics in Energy-Saving and New Energy Vehicles Product Portfolios and Specifications

13.13.3 Renesas Electronics Corp Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales, Revenue, Price and Gross Margin (2020-2025)

13.13.4 Renesas Electronics Corp Main Business Overview

13.13.5 Renesas Electronics Corp Latest Developments

13.14 Vishay Intertechnology

13.14.1 Vishay Intertechnology Company Information

13.14.2 Vishay Intertechnology Automotive Power Electronics in Energy-Saving and New Energy Vehicles Product Portfolios and Specifications

13.14.3 Vishay Intertechnology Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales, Revenue, Price and Gross Margin (2020-2025)

13.14.4 Vishay Intertechnology Main Business Overview

13.14.5 Vishay Intertechnology Latest Developments

13.15 Fuji Electric

13.15.1 Fuji Electric Company Information

13.15.2 Fuji Electric Automotive Power Electronics in Energy-Saving and New Energy Vehicles Product Portfolios and Specifications

13.15.3 Fuji Electric Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales, Revenue, Price and Gross Margin (2020-2025)

13.15.4 Fuji Electric Main Business Overview

13.15.5 Fuji Electric Latest Developments

13.16 International Rectifier

13.16.1 International Rectifier Company Information

13.16.2 International Rectifier Automotive Power Electronics in Energy-Saving and New Energy Vehicles Product Portfolios and Specifications

13.16.3 International Rectifier Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales, Revenue, Price and Gross Margin (2020-2025)

13.16.4 International Rectifier Main Business Overview

13.16.5 International Rectifier Latest Developments

13.17 BYD

13.17.1 BYD Company Information

13.17.2 BYD Automotive Power Electronics in Energy-Saving and New Energy Vehicles Product Portfolios and Specifications

13.17.3 BYD Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales, Revenue, Price and Gross Margin (2020-2025)

13.17.4 BYD Main Business Overview

13.17.5 BYD Latest Developments

13.18 Delphi

13.18.1 Delphi Company Information

13.18.2 Delphi Automotive Power Electronics in Energy-Saving and New Energy Vehicles Product Portfolios and Specifications

13.18.3 Delphi Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales, Revenue, Price and Gross Margin (2020-2025)

13.18.4 Delphi Main Business Overview

13.18.5 Delphi Latest Developments

13.19 Delta Electronics

13.19.1 Delta Electronics Company Information

13.19.2 Delta Electronics Automotive Power Electronics in Energy-Saving and New Energy Vehicles Product Portfolios and Specifications

13.19.3 Delta Electronics Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales, Revenue, Price and Gross Margin (2020-2025)

13.19.4 Delta Electronics Main Business Overview

13.19.5 Delta Electronics Latest Developments

13.20 Denso

13.20.1 Denso Company Information

13.20.2 Denso Automotive Power Electronics in Energy-Saving and New Energy Vehicles Product Portfolios and Specifications

13.20.3 Denso Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales, Revenue, Price and Gross Margin (2020-2025)

13.20.4 Denso Main Business Overview

13.20.5 Denso Latest Developments

13.21 Semikron

13.21.1 Semikron Company Information

13.21.2 Semikron Automotive Power Electronics in Energy-Saving and New Energy Vehicles Product Portfolios and Specifications

13.21.3 Semikron Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales, Revenue, Price and Gross Margin (2020-2025)

13.21.4 Semikron Main Business Overview

13.21.5 Semikron Latest Developments

13.22 Meidensha

13.22.1 Meidensha Company Information

13.22.2 Meidensha Automotive Power Electronics in Energy-Saving and New Energy

Vehicles Product Portfolios and Specifications

13.22.3 Meidensha Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales, Revenue, Price and Gross Margin (2020-2025)

13.22.4 Meidensha Main Business Overview

13.22.5 Meidensha Latest Developments

13.23 JEE Automation

13.23.1 JEE Automation Company Information

13.23.2 JEE Automation Automotive Power Electronics in Energy-Saving and New Energy Vehicles Product Portfolios and Specifications

13.23.3 JEE Automation Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales, Revenue, Price and Gross Margin (2020-2025)

13.23.4 JEE Automation Main Business Overview

13.23.5 JEE Automation Latest Developments

14 RESEARCH FINDINGS AND CONCLUSION

List Of Tables

LIST OF TABLES

Table 1. Automotive Power Electronics in Energy-Saving and New Energy Vehicles Annual Sales CAGR by Geographic Region (2020, 2024 & 2031) & (\$ millions)

Table 2. Automotive Power Electronics in Energy-Saving and New Energy Vehicles Annual Sales CAGR by Country/Region (2020, 2024 & 2031) & (\$ millions)

Table 3. Major Players of MCUs

Table 4. Major Players of Sensors

Table 5. Major Players of Power ICs

Table 6. Global Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales by Type (2020-2025) & (K Units)

Table 7. Global Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales Market Share by Type (2020-2025)

Table 8. Global Automotive Power Electronics in Energy-Saving and New Energy Vehicles Revenue by Type (2020-2025) & (\$ million)

Table 9. Global Automotive Power Electronics in Energy-Saving and New Energy Vehicles Revenue Market Share by Type (2020-2025)

Table 10. Global Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sale Price by Type (2020-2025) & (USD/Unit)

Table 11. Global Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sale by Application (2020-2025) & (K Units)

Table 12. Global Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sale Market Share by Application (2020-2025)

Table 13. Global Automotive Power Electronics in Energy-Saving and New Energy Vehicles Revenue by Application (2020-2025) & (\$ million)

Table 14. Global Automotive Power Electronics in Energy-Saving and New Energy Vehicles Revenue Market Share by Application (2020-2025)

Table 15. Global Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sale Price by Application (2020-2025) & (USD/Unit)

Table 16. Global Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales by Company (2020-2025) & (K Units)

Table 17. Global Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales Market Share by Company (2020-2025)

Table 18. Global Automotive Power Electronics in Energy-Saving and New Energy Vehicles Revenue by Company (2020-2025) & (\$ millions)

Table 19. Global Automotive Power Electronics in Energy-Saving and New Energy Vehicles Revenue Market Share by Company (2020-2025)

Table 20. Global Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sale Price by Company (2020-2025) & (USD/Unit)

Table 21. Key Manufacturers Automotive Power Electronics in Energy-Saving and New Energy Vehicles Producing Area Distribution and Sales Area

Table 22. Players Automotive Power Electronics in Energy-Saving and New Energy Vehicles Products Offered

Table 23. Automotive Power Electronics in Energy-Saving and New Energy Vehicles Concentration Ratio (CR3, CR5 and CR10) & (2023-2025)

Table 24. New Products and Potential Entrants

Table 25. Market M&A Activity & Strategy

Table 26. Global Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales by Geographic Region (2020-2025) & (K Units)

Table 27. Global Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales Market Share Geographic Region (2020-2025)

Table 28. Global Automotive Power Electronics in Energy-Saving and New Energy Vehicles Revenue by Geographic Region (2020-2025) & (\$ millions)

Table 29. Global Automotive Power Electronics in Energy-Saving and New Energy Vehicles Revenue Market Share by Geographic Region (2020-2025)

Table 30. Global Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales by Country/Region (2020-2025) & (K Units)

Table 31. Global Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales Market Share by Country/Region (2020-2025)

Table 32. Global Automotive Power Electronics in Energy-Saving and New Energy Vehicles Revenue by Country/Region (2020-2025) & (\$ millions)

Table 33. Global Automotive Power Electronics in Energy-Saving and New Energy Vehicles Revenue Market Share by Country/Region (2020-2025)

Table 34. Americas Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales by Country (2020-2025) & (K Units)

Table 35. Americas Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales Market Share by Country (2020-2025)

Table 36. Americas Automotive Power Electronics in Energy-Saving and New Energy Vehicles Revenue by Country (2020-2025) & (\$ millions)

Table 37. Americas Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales by Type (2020-2025) & (K Units)

Table 38. Americas Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales by Application (2020-2025) & (K Units)

Table 39. APAC Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales by Region (2020-2025) & (K Units)

Table 40. APAC Automotive Power Electronics in Energy-Saving and New Energy

Vehicles Sales Market Share by Region (2020-2025)

Table 41. APAC Automotive Power Electronics in Energy-Saving and New Energy Vehicles Revenue by Region (2020-2025) & (\$ millions)

Table 42. APAC Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales by Type (2020-2025) & (K Units)

Table 43. APAC Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales by Application (2020-2025) & (K Units)

Table 44. Europe Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales by Country (2020-2025) & (K Units)

Table 45. Europe Automotive Power Electronics in Energy-Saving and New Energy Vehicles Revenue by Country (2020-2025) & (\$ millions)

Table 46. Europe Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales by Type (2020-2025) & (K Units)

Table 47. Europe Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales by Application (2020-2025) & (K Units)

Table 48. Middle East & Africa Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales by Country (2020-2025) & (K Units)

Table 49. Middle East & Africa Automotive Power Electronics in Energy-Saving and New Energy Vehicles Revenue Market Share by Country (2020-2025)

Table 50. Middle East & Africa Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales by Type (2020-2025) & (K Units)

Table 51. Middle East & Africa Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales by Application (2020-2025) & (K Units)

Table 52. Key Market Drivers & Growth Opportunities of Automotive Power Electronics in Energy-Saving and New Energy Vehicles

Table 53. Key Market Challenges & Risks of Automotive Power Electronics in Energy-Saving and New Energy Vehicles

Table 54. Key Industry Trends of Automotive Power Electronics in Energy-Saving and New Energy Vehicles

Table 55. Automotive Power Electronics in Energy-Saving and New Energy Vehicles Raw Material

Table 56. Key Suppliers of Raw Materials

Table 57. Automotive Power Electronics in Energy-Saving and New Energy Vehicles Distributors List

Table 58. Automotive Power Electronics in Energy-Saving and New Energy Vehicles Customer List

Table 59. Global Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales Forecast by Region (2026-2031) & (K Units)

Table 60. Global Automotive Power Electronics in Energy-Saving and New Energy

Vehicles Revenue Forecast by Region (2026-2031) & (\$ millions)

Table 61. Americas Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales Forecast by Country (2026-2031) & (K Units)

Table 62. Americas Automotive Power Electronics in Energy-Saving and New Energy Vehicles Annual Revenue Forecast by Country (2026-2031) & (\$ millions)

Table 63. APAC Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales Forecast by Region (2026-2031) & (K Units)

Table 64. APAC Automotive Power Electronics in Energy-Saving and New Energy Vehicles Annual Revenue Forecast by Region (2026-2031) & (\$ millions)

Table 65. Europe Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales Forecast by Country (2026-2031) & (K Units)

Table 66. Europe Automotive Power Electronics in Energy-Saving and New Energy Vehicles Revenue Forecast by Country (2026-2031) & (\$ millions)

Table 67. Middle East & Africa Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales Forecast by Country (2026-2031) & (K Units)

Table 68. Middle East & Africa Automotive Power Electronics in Energy-Saving and New Energy Vehicles Revenue Forecast by Country (2026-2031) & (\$ millions)

Table 69. Global Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales Forecast by Type (2026-2031) & (K Units)

Table 70. Global Automotive Power Electronics in Energy-Saving and New Energy Vehicles Revenue Forecast by Type (2026-2031) & (\$ millions)

Table 71. Global Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales Forecast by Application (2026-2031) & (K Units)

Table 72. Global Automotive Power Electronics in Energy-Saving and New Energy Vehicles Revenue Forecast by Application (2026-2031) & (\$ millions)

Table 73. Continental Basic Information, Automotive Power Electronics in Energy-Saving and New Energy Vehicles Manufacturing Base, Sales Area and Its Competitors

Table 74. Continental Automotive Power Electronics in Energy-Saving and New Energy Vehicles Product Portfolios and Specifications

Table 75. Continental Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales (K Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 76. Continental Main Business

Table 77. Continental Latest Developments

Table 78. Mitsubishi Electric Basic Information, Automotive Power Electronics in Energy-Saving and New Energy Vehicles Manufacturing Base, Sales Area and Its Competitors

Table 79. Mitsubishi Electric Automotive Power Electronics in Energy-Saving and New Energy Vehicles Product Portfolios and Specifications

Table 80. Mitsubishi Electric Automotive Power Electronics in Energy-Saving and New

Energy Vehicles Sales (K Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 81. Mitsubishi Electric Main Business

Table 82. Mitsubishi Electric Latest Developments

Table 83. Texas Instruments Basic Information, Automotive Power Electronics in Energy-Saving and New Energy Vehicles Manufacturing Base, Sales Area and Its Competitors

Table 84. Texas Instruments Automotive Power Electronics in Energy-Saving and New Energy Vehicles Product Portfolios and Specifications

Table 85. Texas Instruments Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales (K Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 86. Texas Instruments Main Business

Table 87. Texas Instruments Latest Developments

Table 88. Robert Bosch Basic Information, Automotive Power Electronics in Energy-Saving and New Energy Vehicles Manufacturing Base, Sales Area and Its Competitors

Table 89. Robert Bosch Automotive Power Electronics in Energy-Saving and New Energy Vehicles Product Portfolios and Specifications

Table 90. Robert Bosch Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales (K Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 91. Robert Bosch Main Business

Table 92. Robert Bosch Latest Developments

Table 93. Toshiba Corp Basic Information, Automotive Power Electronics in Energy-Saving and New Energy Vehicles Manufacturing Base, Sales Area and Its Competitors

Table 94. Toshiba Corp Automotive Power Electronics in Energy-Saving and New Energy Vehicles Product Portfolios and Specifications

Table 95. Toshiba Corp Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales (K Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 96. Toshiba Corp Main Business

Table 97. Toshiba Corp Latest Developments

Table 98. ON Semiconductor Basic Information, Automotive Power Electronics in Energy-Saving and New Energy Vehicles Manufacturing Base, Sales Area and Its Competitors

Table 99. ON Semiconductor Automotive Power Electronics in Energy-Saving and New Energy Vehicles Product Portfolios and Specifications

Table 100. ON Semiconductor Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales (K Units), Revenue (\$ Million), Price (USD/Unit) and Gross

Margin (2020-2025)

Table 101. ON Semiconductor Main Business

Table 102. ON Semiconductor Latest Developments

Table 103. Infineon Technologies Basic Information, Automotive Power Electronics in Energy-Saving and New Energy Vehicles Manufacturing Base, Sales Area and Its Competitors

Table 104. Infineon Technologies Automotive Power Electronics in Energy-Saving and New Energy Vehicles Product Portfolios and Specifications

Table 105. Infineon Technologies Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales (K Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 106. Infineon Technologies Main Business

Table 107. Infineon Technologies Latest Developments

Table 108. Maxim Products Basic Information, Automotive Power Electronics in Energy-Saving and New Energy Vehicles Manufacturing Base, Sales Area and Its Competitors

Table 109. Maxim Products Automotive Power Electronics in Energy-Saving and New Energy Vehicles Product Portfolios and Specifications

Table 110. Maxim Products Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales (K Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 111. Maxim Products Main Business

Table 112. Maxim Products Latest Developments

Table 113. NXP Semiconductors Basic Information, Automotive Power Electronics in Energy-Saving and New Energy Vehicles Manufacturing Base, Sales Area and Its Competitors

Table 114. NXP Semiconductors Automotive Power Electronics in Energy-Saving and New Energy Vehicles Product Portfolios and Specifications

Table 115. NXP Semiconductors Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales (K Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 116. NXP Semiconductors Main Business

Table 117. NXP Semiconductors Latest Developments

Table 118. Qualcomm Basic Information, Automotive Power Electronics in Energy-Saving and New Energy Vehicles Manufacturing Base, Sales Area and Its Competitors

Table 119. Qualcomm Automotive Power Electronics in Energy-Saving and New Energy Vehicles Product Portfolios and Specifications

Table 120. Qualcomm Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales (K Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 121. Qualcomm Main Business

Table 122. Qualcomm Latest Developments

Table 123. ACTIA Group Basic Information, Automotive Power Electronics in Energy-Saving and New Energy Vehicles Manufacturing Base, Sales Area and Its Competitors

Table 124. ACTIA Group Automotive Power Electronics in Energy-Saving and New Energy Vehicles Product Portfolios and Specifications

Table 125. ACTIA Group Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales (K Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 126. ACTIA Group Main Business

Table 127. ACTIA Group Latest Developments

Table 128. STMicroelectronics Basic Information, Automotive Power Electronics in Energy-Saving and New Energy Vehicles Manufacturing Base, Sales Area and Its Competitors

Table 129. STMicroelectronics Automotive Power Electronics in Energy-Saving and New Energy Vehicles Product Portfolios and Specifications

Table 130. STMicroelectronics Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales (K Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 131. STMicroelectronics Main Business

Table 132. STMicroelectronics Latest Developments

Table 133. Renesas Electronics Corp Basic Information, Automotive Power Electronics in Energy-Saving and New Energy Vehicles Manufacturing Base, Sales Area and Its Competitors

Table 134. Renesas Electronics Corp Automotive Power Electronics in Energy-Saving and New Energy Vehicles Product Portfolios and Specifications

Table 135. Renesas Electronics Corp Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales (K Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 136. Renesas Electronics Corp Main Business

Table 137. Renesas Electronics Corp Latest Developments

Table 138. Vishay Intertechnology Basic Information, Automotive Power Electronics in Energy-Saving and New Energy Vehicles Manufacturing Base, Sales Area and Its Competitors

Table 139. Vishay Intertechnology Automotive Power Electronics in Energy-Saving and New Energy Vehicles Product Portfolios and Specifications

Table 140. Vishay Intertechnology Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales (K Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 141. Vishay Intertechnology Main Business

Table 142. Vishay Intertechnology Latest Developments

Table 143. Fuji Electric Basic Information, Automotive Power Electronics in Energy-Saving and New Energy Vehicles Manufacturing Base, Sales Area and Its Competitors

Table 144. Fuji Electric Automotive Power Electronics in Energy-Saving and New Energy Vehicles Product Portfolios and Specifications

Table 145. Fuji Electric Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales (K Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 146. Fuji Electric Main Business

Table 147. Fuji Electric Latest Developments

Table 148. International Rectifier Basic Information, Automotive Power Electronics in Energy-Saving and New Energy Vehicles Manufacturing Base, Sales Area and Its Competitors

Table 149. International Rectifier Automotive Power Electronics in Energy-Saving and New Energy Vehicles Product Portfolios and Specifications

Table 150. International Rectifier Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales (K Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 151. International Rectifier Main Business

Table 152. International Rectifier Latest Developments

Table 153. BYD Basic Information, Automotive Power Electronics in Energy-Saving and New Energy Vehicles Manufacturing Base, Sales Area and Its Competitors

Table 154. BYD Automotive Power Electronics in Energy-Saving and New Energy Vehicles Product Portfolios and Specifications

Table 155. BYD Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales (K Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 156. BYD Main Business

Table 157. BYD Latest Developments

Table 158. Delphi Basic Information, Automotive Power Electronics in Energy-Saving and New Energy Vehicles Manufacturing Base, Sales Area and Its Competitors

Table 159. Delphi Automotive Power Electronics in Energy-Saving and New Energy Vehicles Product Portfolios and Specifications

Table 160. Delphi Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales (K Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 161. Delphi Main Business

Table 162. Delphi Latest Developments

Table 163. Delta Electronics Basic Information, Automotive Power Electronics in Energy-Saving and New Energy Vehicles Manufacturing Base, Sales Area and Its Competitors

Table 164. Delta Electronics Automotive Power Electronics in Energy-Saving and New Energy Vehicles Product Portfolios and Specifications

Table 165. Delta Electronics Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales (K Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 166. Delta Electronics Main Business

Table 167. Delta Electronics Latest Developments

Table 168. Denso Basic Information, Automotive Power Electronics in Energy-Saving and New Energy Vehicles Manufacturing Base, Sales Area and Its Competitors

Table 169. Denso Automotive Power Electronics in Energy-Saving and New Energy Vehicles Product Portfolios and Specifications

Table 170. Denso Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales (K Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 171. Denso Main Business

Table 172. Denso Latest Developments

Table 173. Semikron Basic Information, Automotive Power Electronics in Energy-Saving and New Energy Vehicles Manufacturing Base, Sales Area and Its Competitors

Table 174. Semikron Automotive Power Electronics in Energy-Saving and New Energy Vehicles Product Portfolios and Specifications

Table 175. Semikron Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales (K Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 176. Semikron Main Business

Table 177. Semikron Latest Developments

Table 178. Meidensha Basic Information, Automotive Power Electronics in Energy-Saving and New Energy Vehicles Manufacturing Base, Sales Area and Its Competitors

Table 179. Meidensha Automotive Power Electronics in Energy-Saving and New Energy Vehicles Product Portfolios and Specifications

Table 180. Meidensha Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales (K Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 181. Meidensha Main Business

Table 182. Meidensha Latest Developments

Table 183. JEE Automation Basic Information, Automotive Power Electronics in Energy-Saving and New Energy Vehicles Manufacturing Base, Sales Area and Its Competitors

Table 184. JEE Automation Automotive Power Electronics in Energy-Saving and New

Energy Vehicles Product Portfolios and Specifications

Table 185. JEE Automation Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales (K Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 186. JEE Automation Main Business

Table 187. JEE Automation Latest Developments

List Of Figures

LIST OF FIGURES

Figure 1. Picture of Automotive Power Electronics in Energy-Saving and New Energy Vehicles

Figure 2. Automotive Power Electronics in Energy-Saving and New Energy Vehicles Report Years Considered

Figure 3. Research Objectives

Figure 4. Research Methodology

Figure 5. Research Process and Data Source

Figure 6. Global Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales Growth Rate 2020-2031 (K Units)

Figure 7. Global Automotive Power Electronics in Energy-Saving and New Energy Vehicles Revenue Growth Rate 2020-2031 (\$ millions)

Figure 8. Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales by Geographic Region (2020, 2024 & 2031) & (\$ millions)

Figure 9. Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales Market Share by Country/Region (2024)

Figure 10. Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales Market Share by Country/Region (2020, 2024 & 2031)

Figure 11. Product Picture of MCUs

Figure 12. Product Picture of Sensors

Figure 13. Product Picture of Power ICs

Figure 14. Global Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales Market Share by Type in 2025

Figure 15. Global Automotive Power Electronics in Energy-Saving and New Energy Vehicles Revenue Market Share by Type (2020-2025)

Figure 16. Automotive Power Electronics in Energy-Saving and New Energy Vehicles Consumed in Hybrid Vehicle

Figure 17. Global Automotive Power Electronics in Energy-Saving and New Energy Vehicles Market: Hybrid Vehicle (2020-2025) & (K Units)

Figure 18. Automotive Power Electronics in Energy-Saving and New Energy Vehicles Consumed in Pure Electric Vehicle

Figure 19. Global Automotive Power Electronics in Energy-Saving and New Energy Vehicles Market: Pure Electric Vehicle (2020-2025) & (K Units)

Figure 20. Global Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sale Market Share by Application (2024)

Figure 21. Global Automotive Power Electronics in Energy-Saving and New Energy

Vehicles Revenue Market Share by Application in 2025

Figure 22. Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales by Company in 2025 (K Units)

Figure 23. Global Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales Market Share by Company in 2025

Figure 24. Automotive Power Electronics in Energy-Saving and New Energy Vehicles Revenue by Company in 2025 (\$ millions)

Figure 25. Global Automotive Power Electronics in Energy-Saving and New Energy Vehicles Revenue Market Share by Company in 2025

Figure 26. Global Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales Market Share by Geographic Region (2020-2025)

Figure 27. Global Automotive Power Electronics in Energy-Saving and New Energy Vehicles Revenue Market Share by Geographic Region in 2025

Figure 28. Americas Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales 2020-2025 (K Units)

Figure 29. Americas Automotive Power Electronics in Energy-Saving and New Energy Vehicles Revenue 2020-2025 (\$ millions)

Figure 30. APAC Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales 2020-2025 (K Units)

Figure 31. APAC Automotive Power Electronics in Energy-Saving and New Energy Vehicles Revenue 2020-2025 (\$ millions)

Figure 32. Europe Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales 2020-2025 (K Units)

Figure 33. Europe Automotive Power Electronics in Energy-Saving and New Energy Vehicles Revenue 2020-2025 (\$ millions)

Figure 34. Middle East & Africa Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales 2020-2025 (K Units)

Figure 35. Middle East & Africa Automotive Power Electronics in Energy-Saving and New Energy Vehicles Revenue 2020-2025 (\$ millions)

Figure 36. Americas Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales Market Share by Country in 2025

Figure 37. Americas Automotive Power Electronics in Energy-Saving and New Energy Vehicles Revenue Market Share by Country (2020-2025)

Figure 38. Americas Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales Market Share by Type (2020-2025)

Figure 39. Americas Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales Market Share by Application (2020-2025)

Figure 40. United States Automotive Power Electronics in Energy-Saving and New Energy Vehicles Revenue Growth 2020-2025 (\$ millions)

Figure 41. Canada Automotive Power Electronics in Energy-Saving and New Energy Vehicles Revenue Growth 2020-2025 (\$ millions)

Figure 42. Mexico Automotive Power Electronics in Energy-Saving and New Energy Vehicles Revenue Growth 2020-2025 (\$ millions)

Figure 43. Brazil Automotive Power Electronics in Energy-Saving and New Energy Vehicles Revenue Growth 2020-2025 (\$ millions)

Figure 44. APAC Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales Market Share by Region in 2025

Figure 45. APAC Automotive Power Electronics in Energy-Saving and New Energy Vehicles Revenue Market Share by Region (2020-2025)

Figure 46. APAC Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales Market Share by Type (2020-2025)

Figure 47. APAC Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales Market Share by Application (2020-2025)

Figure 48. China Automotive Power Electronics in Energy-Saving and New Energy Vehicles Revenue Growth 2020-2025 (\$ millions)

Figure 49. Japan Automotive Power Electronics in Energy-Saving and New Energy Vehicles Revenue Growth 2020-2025 (\$ millions)

Figure 50. South Korea Automotive Power Electronics in Energy-Saving and New Energy Vehicles Revenue Growth 2020-2025 (\$ millions)

Figure 51. Southeast Asia Automotive Power Electronics in Energy-Saving and New Energy Vehicles Revenue Growth 2020-2025 (\$ millions)

Figure 52. India Automotive Power Electronics in Energy-Saving and New Energy Vehicles Revenue Growth 2020-2025 (\$ millions)

Figure 53. Australia Automotive Power Electronics in Energy-Saving and New Energy Vehicles Revenue Growth 2020-2025 (\$ millions)

Figure 54. China Taiwan Automotive Power Electronics in Energy-Saving and New Energy Vehicles Revenue Growth 2020-2025 (\$ millions)

Figure 55. Europe Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales Market Share by Country in 2025

Figure 56. Europe Automotive Power Electronics in Energy-Saving and New Energy Vehicles Revenue Market Share by Country (2020-2025)

Figure 57. Europe Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales Market Share by Type (2020-2025)

Figure 58. Europe Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales Market Share by Application (2020-2025)

Figure 59. Germany Automotive Power Electronics in Energy-Saving and New Energy Vehicles Revenue Growth 2020-2025 (\$ millions)

Figure 60. France Automotive Power Electronics in Energy-Saving and New Energy

Vehicles Revenue Growth 2020-2025 (\$ millions)

Figure 61. UK Automotive Power Electronics in Energy-Saving and New Energy

Vehicles Revenue Growth 2020-2025 (\$ millions)

Figure 62. Italy Automotive Power Electronics in Energy-Saving and New Energy

Vehicles Revenue Growth 2020-2025 (\$ millions)

Figure 63. Russia Automotive Power Electronics in Energy-Saving and New Energy

Vehicles Revenue Growth 2020-2025 (\$ millions)

Figure 64. Middle East & Africa Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales Market Share by Country (2020-2025)

Figure 65. Middle East & Africa Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales Market Share by Type (2020-2025)

Figure 66. Middle East & Africa Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales Market Share by Application (2020-2025)

Figure 67. Egypt Automotive Power Electronics in Energy-Saving and New Energy Vehicles Revenue Growth 2020-2025 (\$ millions)

Figure 68. South Africa Automotive Power Electronics in Energy-Saving and New Energy Vehicles Revenue Growth 2020-2025 (\$ millions)

Figure 69. Israel Automotive Power Electronics in Energy-Saving and New Energy Vehicles Revenue Growth 2020-2025 (\$ millions)

Figure 70. Turkey Automotive Power Electronics in Energy-Saving and New Energy Vehicles Revenue Growth 2020-2025 (\$ millions)

Figure 71. GCC Countries Automotive Power Electronics in Energy-Saving and New Energy Vehicles Revenue Growth 2020-2025 (\$ millions)

Figure 72. Manufacturing Cost Structure Analysis of Automotive Power Electronics in Energy-Saving and New Energy Vehicles in 2025

Figure 73. Manufacturing Process Analysis of Automotive Power Electronics in Energy-Saving and New Energy Vehicles

Figure 74. Industry Chain Structure of Automotive Power Electronics in Energy-Saving and New Energy Vehicles

Figure 75. Channels of Distribution

Figure 76. Global Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales Market Forecast by Region (2026-2031)

Figure 77. Global Automotive Power Electronics in Energy-Saving and New Energy Vehicles Revenue Market Share Forecast by Region (2026-2031)

Figure 78. Global Automotive Power Electronics in Energy-Saving and New Energy Vehicles Sales Market Share Forecast by Type (2026-2031)

Figure 79. Global Automotive Power Electronics in Energy-Saving and New Energy Vehicles Revenue Market Share Forecast by Type (2026-2031)

Figure 80. Global Automotive Power Electronics in Energy-Saving and New Energy

Vehicles Sales Market Share Forecast by Application (2026-2031)

Figure 81. Global Automotive Power Electronics in Energy-Saving and New Energy

Vehicles Revenue Market Share Forecast by Application (2026-2031)

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