

Global Automotive Power Converter SiC Devices Market Growth 2024-2030

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Abstracts

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According to our LPI (LP Information) latest study, the global Automotive Power Converter SiC Devices market size was valued at US\$ million in 2023. With growing demand in downstream market, the Automotive Power Converter SiC Devices is forecast to a readjusted size of US\$ million by 2030 with a CAGR of % during review period.

The research report highlights the growth potential of the global Automotive Power Converter SiC Devices market. Automotive Power Converter SiC Devices are expected to show stable growth in the future market. However, product differentiation, reducing costs, and supply chain optimization remain crucial for the widespread adoption of Automotive Power Converter SiC Devices. Market players need to invest in research and development, forge strategic partnerships, and align their offerings with evolving consumer preferences to capitalize on the immense opportunities presented by the Automotive Power Converter SiC Devices market.

Power converters can transform any current or voltage into another current or voltage and a basic power converter contains a power supply and an interior circuit.

Automotive is a key driver of this industry. According to data from the World Automobile Organization (OICA), global automobile production and sales in 2017 reached their peak in the past 10 years, at 97.3 million and 95.89 million respectively. In 2018, the global economic expansion ended, and the global auto market declined as a whole. In 2022, there will wear units 81.6 million vehicles in the world. At present, more than 90% of the world's automobiles are concentrated in the three continents of Asia, Europe and

North America, of which Asia automobile production accounts for 56% of the world, Europe accounts for 20%, and North America accounts for 16%. The world major automobile producing countries include China, the United States, Japan, South Korea, Germany, India, Mexico, and other countries; among them, China is the largest automobile producing country in the world, accounting for about 32%. Japan is the world's largest car exporter, exporting more than 3.5 million vehicles in 2022.

Key Features:

The report on Automotive Power Converter SiC Devices market reflects various aspects and provide valuable insights into the industry.

Market Size and Growth: The research report provide an overview of the current size and growth of the Automotive Power Converter SiC Devices market. It may include historical data, market segmentation by Type (e.g., Step Up Converter SiC Devices, Step Down Converter SiC Devices), and regional breakdowns.

Market Drivers and Challenges: The report can identify and analyse the factors driving the growth of the Automotive Power Converter SiC Devices market, such as government regulations, environmental concerns, technological advancements, and changing consumer preferences. It can also highlight the challenges faced by the industry, including infrastructure limitations, range anxiety, and high upfront costs.

Competitive Landscape: The research report provides analysis of the competitive landscape within the Automotive Power Converter SiC Devices market. It includes profiles of key players, their market share, strategies, and product offerings. The report can also highlight emerging players and their potential impact on the market.

Technological Developments: The research report can delve into the latest technological developments in the Automotive Power Converter SiC Devices industry. This include advancements in Automotive Power Converter SiC Devices technology, Automotive Power Converter SiC Devices new entrants, Automotive Power Converter SiC Devices new investment, and other innovations that are shaping the future of Automotive Power Converter SiC Devices.

Downstream Procumbent Preference: The report can shed light on customer procumbent behaviour and adoption trends in the Automotive Power Converter SiC Devices market. It includes factors influencing customer ' purchasing decisions, preferences for Automotive Power Converter SiC Devices product.

Government Policies and Incentives: The research report analyse the impact of government policies and incentives on the Automotive Power Converter SiC Devices market. This may include an assessment of regulatory frameworks, subsidies, tax incentives, and other measures aimed at promoting Automotive Power Converter SiC Devices market. The report also evaluates the effectiveness of these policies in driving market growth.

Environmental Impact and Sustainability: The research report assess the environmental impact and sustainability aspects of the Automotive Power Converter SiC Devices market.

Market Forecasts and Future Outlook: Based on the analysis conducted, the research report provide market forecasts and outlook for the Automotive Power Converter SiC Devices industry. This includes projections of market size, growth rates, regional trends, and predictions on technological advancements and policy developments.

Recommendations and Opportunities: The report conclude with recommendations for industry stakeholders, policymakers, and investors. It highlights potential opportunities for market players to capitalize on emerging trends, overcome challenges, and contribute to the growth and development of the Automotive Power Converter SiC Devices market.

Market Segmentation:

Automotive Power Converter SiC Devices market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

Segmentation by type

Step Up Converter SiC Devices

Step Down Converter SiC Devices

Segmentation by application

Passenger Cars

Commercial Vehicles

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 analyzing the company's coverage, product portfolio, its market penetration.

Texas Instruments (USA)

Infineon Technologies (Germany)

Denso (Japan)

STMicroelectronics (Switzerland)

Fuji Electric (Japan)

Panasonic (Japan)

Rohm (Japan)

Showa Denko (Japan)

Key Questions Addressed in this Report

What is the 10-year outlook for the global Automotive Power Converter SiC Devices market?

What factors are driving Automotive Power Converter SiC Devices market growth, globally and by region?

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

How do Automotive Power Converter SiC Devices market opportunities vary by end market size?

How does Automotive Power Converter SiC Devices break out type, 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 Converter SiC Devices Annual Sales 2019-2030
 - 2.1.2 World Current & Future Analysis for Automotive Power Converter SiC Devices by Geographic Region, 2019, 2023 & 2030
 - 2.1.3 World Current & Future Analysis for Automotive Power Converter SiC Devices by Country/Region, 2019, 2023 & 2030
- 2.2 Automotive Power Converter SiC Devices Segment by Type
 - 2.2.1 Step Up Converter SiC Devices
 - 2.2.2 Step Down Converter SiC Devices
- 2.3 Automotive Power Converter SiC Devices Sales by Type
 - 2.3.1 Global Automotive Power Converter SiC Devices Sales Market Share by Type (2019-2024)
 - 2.3.2 Global Automotive Power Converter SiC Devices Revenue and Market Share by Type (2019-2024)
 - 2.3.3 Global Automotive Power Converter SiC Devices Sale Price by Type (2019-2024)
- 2.4 Automotive Power Converter SiC Devices Segment by Application
 - 2.4.1 Passenger Cars
 - 2.4.2 Commercial Vehicles
- 2.5 Automotive Power Converter SiC Devices Sales by Application
 - 2.5.1 Global Automotive Power Converter SiC Devices Sale Market Share by Application (2019-2024)
 - 2.5.2 Global Automotive Power Converter SiC Devices Revenue and Market Share by Application (2019-2024)

2.5.3 Global Automotive Power Converter SiC Devices Sale Price by Application (2019-2024)

3 GLOBAL AUTOMOTIVE POWER CONVERTER SiC DEVICES BY COMPANY

3.1 Global Automotive Power Converter SiC Devices Breakdown Data by Company

3.1.1 Global Automotive Power Converter SiC Devices Annual Sales by Company (2019-2024)

3.1.2 Global Automotive Power Converter SiC Devices Sales Market Share by Company (2019-2024)

3.2 Global Automotive Power Converter SiC Devices Annual Revenue by Company (2019-2024)

3.2.1 Global Automotive Power Converter SiC Devices Revenue by Company (2019-2024)

3.2.2 Global Automotive Power Converter SiC Devices Revenue Market Share by Company (2019-2024)

3.3 Global Automotive Power Converter SiC Devices Sale Price by Company

3.4 Key Manufacturers Automotive Power Converter SiC Devices Producing Area Distribution, Sales Area, Product Type

3.4.1 Key Manufacturers Automotive Power Converter SiC Devices Product Location Distribution

3.4.2 Players Automotive Power Converter SiC Devices Products Offered

3.5 Market Concentration Rate Analysis

3.5.1 Competition Landscape Analysis

3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2019-2024)

3.6 New Products and Potential Entrants

3.7 Mergers & Acquisitions, Expansion

4 WORLD HISTORIC REVIEW FOR AUTOMOTIVE POWER CONVERTER SiC DEVICES BY GEOGRAPHIC REGION

4.1 World Historic Automotive Power Converter SiC Devices Market Size by Geographic Region (2019-2024)

4.1.1 Global Automotive Power Converter SiC Devices Annual Sales by Geographic Region (2019-2024)

4.1.2 Global Automotive Power Converter SiC Devices Annual Revenue by Geographic Region (2019-2024)

4.2 World Historic Automotive Power Converter SiC Devices Market Size by Country/Region (2019-2024)

- 4.2.1 Global Automotive Power Converter SiC Devices Annual Sales by Country/Region (2019-2024)
- 4.2.2 Global Automotive Power Converter SiC Devices Annual Revenue by Country/Region (2019-2024)
- 4.3 Americas Automotive Power Converter SiC Devices Sales Growth
- 4.4 APAC Automotive Power Converter SiC Devices Sales Growth
- 4.5 Europe Automotive Power Converter SiC Devices Sales Growth
- 4.6 Middle East & Africa Automotive Power Converter SiC Devices Sales Growth

5 AMERICAS

- 5.1 Americas Automotive Power Converter SiC Devices Sales by Country
 - 5.1.1 Americas Automotive Power Converter SiC Devices Sales by Country (2019-2024)
 - 5.1.2 Americas Automotive Power Converter SiC Devices Revenue by Country (2019-2024)
- 5.2 Americas Automotive Power Converter SiC Devices Sales by Type
- 5.3 Americas Automotive Power Converter SiC Devices Sales by Application
- 5.4 United States
- 5.5 Canada
- 5.6 Mexico
- 5.7 Brazil

6 APAC

- 6.1 APAC Automotive Power Converter SiC Devices Sales by Region
 - 6.1.1 APAC Automotive Power Converter SiC Devices Sales by Region (2019-2024)
 - 6.1.2 APAC Automotive Power Converter SiC Devices Revenue by Region (2019-2024)
- 6.2 APAC Automotive Power Converter SiC Devices Sales by Type
- 6.3 APAC Automotive Power Converter SiC Devices Sales by Application
- 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 Converter SiC Devices by Country

7.1.1 Europe Automotive Power Converter SiC Devices Sales by Country (2019-2024)

7.1.2 Europe Automotive Power Converter SiC Devices Revenue by Country (2019-2024)

7.2 Europe Automotive Power Converter SiC Devices Sales by Type

7.3 Europe Automotive Power Converter SiC Devices Sales by Application

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 Converter SiC Devices by Country

8.1.1 Middle East & Africa Automotive Power Converter SiC Devices Sales by Country (2019-2024)

8.1.2 Middle East & Africa Automotive Power Converter SiC Devices Revenue by Country (2019-2024)

8.2 Middle East & Africa Automotive Power Converter SiC Devices Sales by Type

8.3 Middle East & Africa Automotive Power Converter SiC Devices Sales by Application

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 Converter SiC

Devices

10.3 Manufacturing Process Analysis of Automotive Power Converter SiC Devices

10.4 Industry Chain Structure of Automotive Power Converter SiC Devices

11 MARKETING, DISTRIBUTORS AND CUSTOMER

11.1 Sales Channel

11.1.1 Direct Channels

11.1.2 Indirect Channels

11.2 Automotive Power Converter SiC Devices Distributors

11.3 Automotive Power Converter SiC Devices Customer

12 WORLD FORECAST REVIEW FOR AUTOMOTIVE POWER CONVERTER SiC DEVICES BY GEOGRAPHIC REGION

12.1 Global Automotive Power Converter SiC Devices Market Size Forecast by Region

12.1.1 Global Automotive Power Converter SiC Devices Forecast by Region
(2025-2030)

12.1.2 Global Automotive Power Converter SiC Devices Annual Revenue Forecast by
Region (2025-2030)

12.2 Americas Forecast by Country

12.3 APAC Forecast by Region

12.4 Europe Forecast by Country

12.5 Middle East & Africa Forecast by Country

12.6 Global Automotive Power Converter SiC Devices Forecast by Type

12.7 Global Automotive Power Converter SiC Devices Forecast by Application

13 KEY PLAYERS ANALYSIS

13.1 Texas Instruments (USA)

13.1.1 Texas Instruments (USA) Company Information

13.1.2 Texas Instruments (USA) Automotive Power Converter SiC Devices Product
Portfolios and Specifications

13.1.3 Texas Instruments (USA) Automotive Power Converter SiC Devices Sales,
Revenue, Price and Gross Margin (2019-2024)

13.1.4 Texas Instruments (USA) Main Business Overview

13.1.5 Texas Instruments (USA) Latest Developments

13.2 Infineon Technologies (Germany)

13.2.1 Infineon Technologies (Germany) Company Information

13.2.2 Infineon Technologies (Germany) Automotive Power Converter SiC Devices Product Portfolios and Specifications

13.2.3 Infineon Technologies (Germany) Automotive Power Converter SiC Devices Sales, Revenue, Price and Gross Margin (2019-2024)

13.2.4 Infineon Technologies (Germany) Main Business Overview

13.2.5 Infineon Technologies (Germany) Latest Developments

13.3 Denso (Japan)

13.3.1 Denso (Japan) Company Information

13.3.2 Denso (Japan) Automotive Power Converter SiC Devices Product Portfolios and Specifications

13.3.3 Denso (Japan) Automotive Power Converter SiC Devices Sales, Revenue, Price and Gross Margin (2019-2024)

13.3.4 Denso (Japan) Main Business Overview

13.3.5 Denso (Japan) Latest Developments

13.4 STMicroelectronics (Switzerland)

13.4.1 STMicroelectronics (Switzerland) Company Information

13.4.2 STMicroelectronics (Switzerland) Automotive Power Converter SiC Devices Product Portfolios and Specifications

13.4.3 STMicroelectronics (Switzerland) Automotive Power Converter SiC Devices Sales, Revenue, Price and Gross Margin (2019-2024)

13.4.4 STMicroelectronics (Switzerland) Main Business Overview

13.4.5 STMicroelectronics (Switzerland) Latest Developments

13.5 Fuji Electric (Japan)

13.5.1 Fuji Electric (Japan) Company Information

13.5.2 Fuji Electric (Japan) Automotive Power Converter SiC Devices Product Portfolios and Specifications

13.5.3 Fuji Electric (Japan) Automotive Power Converter SiC Devices Sales, Revenue, Price and Gross Margin (2019-2024)

13.5.4 Fuji Electric (Japan) Main Business Overview

13.5.5 Fuji Electric (Japan) Latest Developments

13.6 Panasonic (Japan)

13.6.1 Panasonic (Japan) Company Information

13.6.2 Panasonic (Japan) Automotive Power Converter SiC Devices Product Portfolios and Specifications

13.6.3 Panasonic (Japan) Automotive Power Converter SiC Devices Sales, Revenue, Price and Gross Margin (2019-2024)

13.6.4 Panasonic (Japan) Main Business Overview

13.6.5 Panasonic (Japan) Latest Developments

13.7 Rohm (Japan)

13.7.1 Rohm (Japan) Company Information

13.7.2 Rohm (Japan) Automotive Power Converter SiC Devices Product Portfolios and Specifications

13.7.3 Rohm (Japan) Automotive Power Converter SiC Devices Sales, Revenue, Price and Gross Margin (2019-2024)

13.7.4 Rohm (Japan) Main Business Overview

13.7.5 Rohm (Japan) Latest Developments

13.8 Showa Denko (Japan)

13.8.1 Showa Denko (Japan) Company Information

13.8.2 Showa Denko (Japan) Automotive Power Converter SiC Devices Product Portfolios and Specifications

13.8.3 Showa Denko (Japan) Automotive Power Converter SiC Devices Sales, Revenue, Price and Gross Margin (2019-2024)

13.8.4 Showa Denko (Japan) Main Business Overview

13.8.5 Showa Denko (Japan) Latest Developments

14 RESEARCH FINDINGS AND CONCLUSION

List Of Tables

LIST OF TABLES

- Table 1. Automotive Power Converter SiC Devices Annual Sales CAGR by Geographic Region (2019, 2023 & 2030) & (\$ millions)
- Table 2. Automotive Power Converter SiC Devices Annual Sales CAGR by Country/Region (2019, 2023 & 2030) & (\$ millions)
- Table 3. Major Players of Step Up Converter SiC Devices
- Table 4. Major Players of Step Down Converter SiC Devices
- Table 5. Global Automotive Power Converter SiC Devices Sales by Type (2019-2024) & (K Units)
- Table 6. Global Automotive Power Converter SiC Devices Sales Market Share by Type (2019-2024)
- Table 7. Global Automotive Power Converter SiC Devices Revenue by Type (2019-2024) & (\$ million)
- Table 8. Global Automotive Power Converter SiC Devices Revenue Market Share by Type (2019-2024)
- Table 9. Global Automotive Power Converter SiC Devices Sale Price by Type (2019-2024) & (USD/Unit)
- Table 10. Global Automotive Power Converter SiC Devices Sales by Application (2019-2024) & (K Units)
- Table 11. Global Automotive Power Converter SiC Devices Sales Market Share by Application (2019-2024)
- Table 12. Global Automotive Power Converter SiC Devices Revenue by Application (2019-2024)
- Table 13. Global Automotive Power Converter SiC Devices Revenue Market Share by Application (2019-2024)
- Table 14. Global Automotive Power Converter SiC Devices Sale Price by Application (2019-2024) & (USD/Unit)
- Table 15. Global Automotive Power Converter SiC Devices Sales by Company (2019-2024) & (K Units)
- Table 16. Global Automotive Power Converter SiC Devices Sales Market Share by Company (2019-2024)
- Table 17. Global Automotive Power Converter SiC Devices Revenue by Company (2019-2024) (\$ Millions)
- Table 18. Global Automotive Power Converter SiC Devices Revenue Market Share by Company (2019-2024)
- Table 19. Global Automotive Power Converter SiC Devices Sale Price by Company

(2019-2024) & (USD/Unit)

Table 20. Key Manufacturers Automotive Power Converter SiC Devices Producing Area Distribution and Sales Area

Table 21. Players Automotive Power Converter SiC Devices Products Offered

Table 22. Automotive Power Converter SiC Devices Concentration Ratio (CR3, CR5 and CR10) & (2019-2024)

Table 23. New Products and Potential Entrants

Table 24. Mergers & Acquisitions, Expansion

Table 25. Global Automotive Power Converter SiC Devices Sales by Geographic Region (2019-2024) & (K Units)

Table 26. Global Automotive Power Converter SiC Devices Sales Market Share Geographic Region (2019-2024)

Table 27. Global Automotive Power Converter SiC Devices Revenue by Geographic Region (2019-2024) & (\$ millions)

Table 28. Global Automotive Power Converter SiC Devices Revenue Market Share by Geographic Region (2019-2024)

Table 29. Global Automotive Power Converter SiC Devices Sales by Country/Region (2019-2024) & (K Units)

Table 30. Global Automotive Power Converter SiC Devices Sales Market Share by Country/Region (2019-2024)

Table 31. Global Automotive Power Converter SiC Devices Revenue by Country/Region (2019-2024) & (\$ millions)

Table 32. Global Automotive Power Converter SiC Devices Revenue Market Share by Country/Region (2019-2024)

Table 33. Americas Automotive Power Converter SiC Devices Sales by Country (2019-2024) & (K Units)

Table 34. Americas Automotive Power Converter SiC Devices Sales Market Share by Country (2019-2024)

Table 35. Americas Automotive Power Converter SiC Devices Revenue by Country (2019-2024) & (\$ Millions)

Table 36. Americas Automotive Power Converter SiC Devices Revenue Market Share by Country (2019-2024)

Table 37. Americas Automotive Power Converter SiC Devices Sales by Type (2019-2024) & (K Units)

Table 38. Americas Automotive Power Converter SiC Devices Sales by Application (2019-2024) & (K Units)

Table 39. APAC Automotive Power Converter SiC Devices Sales by Region (2019-2024) & (K Units)

Table 40. APAC Automotive Power Converter SiC Devices Sales Market Share by

Region (2019-2024)

Table 41. APAC Automotive Power Converter SiC Devices Revenue by Region (2019-2024) & (\$ Millions)

Table 42. APAC Automotive Power Converter SiC Devices Revenue Market Share by Region (2019-2024)

Table 43. APAC Automotive Power Converter SiC Devices Sales by Type (2019-2024) & (K Units)

Table 44. APAC Automotive Power Converter SiC Devices Sales by Application (2019-2024) & (K Units)

Table 45. Europe Automotive Power Converter SiC Devices Sales by Country (2019-2024) & (K Units)

Table 46. Europe Automotive Power Converter SiC Devices Sales Market Share by Country (2019-2024)

Table 47. Europe Automotive Power Converter SiC Devices Revenue by Country (2019-2024) & (\$ Millions)

Table 48. Europe Automotive Power Converter SiC Devices Revenue Market Share by Country (2019-2024)

Table 49. Europe Automotive Power Converter SiC Devices Sales by Type (2019-2024) & (K Units)

Table 50. Europe Automotive Power Converter SiC Devices Sales by Application (2019-2024) & (K Units)

Table 51. Middle East & Africa Automotive Power Converter SiC Devices Sales by Country (2019-2024) & (K Units)

Table 52. Middle East & Africa Automotive Power Converter SiC Devices Sales Market Share by Country (2019-2024)

Table 53. Middle East & Africa Automotive Power Converter SiC Devices Revenue by Country (2019-2024) & (\$ Millions)

Table 54. Middle East & Africa Automotive Power Converter SiC Devices Revenue Market Share by Country (2019-2024)

Table 55. Middle East & Africa Automotive Power Converter SiC Devices Sales by Type (2019-2024) & (K Units)

Table 56. Middle East & Africa Automotive Power Converter SiC Devices Sales by Application (2019-2024) & (K Units)

Table 57. Key Market Drivers & Growth Opportunities of Automotive Power Converter SiC Devices

Table 58. Key Market Challenges & Risks of Automotive Power Converter SiC Devices

Table 59. Key Industry Trends of Automotive Power Converter SiC Devices

Table 60. Automotive Power Converter SiC Devices Raw Material

Table 61. Key Suppliers of Raw Materials

Table 62. Automotive Power Converter SiC Devices Distributors List
Table 63. Automotive Power Converter SiC Devices Customer List
Table 64. Global Automotive Power Converter SiC Devices Sales Forecast by Region (2025-2030) & (K Units)
Table 65. Global Automotive Power Converter SiC Devices Revenue Forecast by Region (2025-2030) & (\$ millions)
Table 66. Americas Automotive Power Converter SiC Devices Sales Forecast by Country (2025-2030) & (K Units)
Table 67. Americas Automotive Power Converter SiC Devices Revenue Forecast by Country (2025-2030) & (\$ millions)
Table 68. APAC Automotive Power Converter SiC Devices Sales Forecast by Region (2025-2030) & (K Units)
Table 69. APAC Automotive Power Converter SiC Devices Revenue Forecast by Region (2025-2030) & (\$ millions)
Table 70. Europe Automotive Power Converter SiC Devices Sales Forecast by Country (2025-2030) & (K Units)
Table 71. Europe Automotive Power Converter SiC Devices Revenue Forecast by Country (2025-2030) & (\$ millions)
Table 72. Middle East & Africa Automotive Power Converter SiC Devices Sales Forecast by Country (2025-2030) & (K Units)
Table 73. Middle East & Africa Automotive Power Converter SiC Devices Revenue Forecast by Country (2025-2030) & (\$ millions)
Table 74. Global Automotive Power Converter SiC Devices Sales Forecast by Type (2025-2030) & (K Units)
Table 75. Global Automotive Power Converter SiC Devices Revenue Forecast by Type (2025-2030) & (\$ Millions)
Table 76. Global Automotive Power Converter SiC Devices Sales Forecast by Application (2025-2030) & (K Units)
Table 77. Global Automotive Power Converter SiC Devices Revenue Forecast by Application (2025-2030) & (\$ Millions)
Table 78. Texas Instruments (USA) Basic Information, Automotive Power Converter SiC Devices Manufacturing Base, Sales Area and Its Competitors
Table 79. Texas Instruments (USA) Automotive Power Converter SiC Devices Product Portfolios and Specifications
Table 80. Texas Instruments (USA) Automotive Power Converter SiC Devices Sales (K Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)
Table 81. Texas Instruments (USA) Main Business
Table 82. Texas Instruments (USA) Latest Developments
Table 83. Infineon Technologies (Germany) Basic Information, Automotive Power

Converter SiC Devices Manufacturing Base, Sales Area and Its Competitors

Table 84. Infineon Technologies (Germany) Automotive Power Converter SiC Devices Product Portfolios and Specifications

Table 85. Infineon Technologies (Germany) Automotive Power Converter SiC Devices Sales (K Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 86. Infineon Technologies (Germany) Main Business

Table 87. Infineon Technologies (Germany) Latest Developments

Table 88. Denso (Japan) Basic Information, Automotive Power Converter SiC Devices Manufacturing Base, Sales Area and Its Competitors

Table 89. Denso (Japan) Automotive Power Converter SiC Devices Product Portfolios and Specifications

Table 90. Denso (Japan) Automotive Power Converter SiC Devices Sales (K Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 91. Denso (Japan) Main Business

Table 92. Denso (Japan) Latest Developments

Table 93. STMicroelectronics (Switzerland) Basic Information, Automotive Power Converter SiC Devices Manufacturing Base, Sales Area and Its Competitors

Table 94. STMicroelectronics (Switzerland) Automotive Power Converter SiC Devices Product Portfolios and Specifications

Table 95. STMicroelectronics (Switzerland) Automotive Power Converter SiC Devices Sales (K Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 96. STMicroelectronics (Switzerland) Main Business

Table 97. STMicroelectronics (Switzerland) Latest Developments

Table 98. Fuji Electric (Japan) Basic Information, Automotive Power Converter SiC Devices Manufacturing Base, Sales Area and Its Competitors

Table 99. Fuji Electric (Japan) Automotive Power Converter SiC Devices Product Portfolios and Specifications

Table 100. Fuji Electric (Japan) Automotive Power Converter SiC Devices Sales (K Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 101. Fuji Electric (Japan) Main Business

Table 102. Fuji Electric (Japan) Latest Developments

Table 103. Panasonic (Japan) Basic Information, Automotive Power Converter SiC Devices Manufacturing Base, Sales Area and Its Competitors

Table 104. Panasonic (Japan) Automotive Power Converter SiC Devices Product Portfolios and Specifications

Table 105. Panasonic (Japan) Automotive Power Converter SiC Devices Sales (K Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 106. Panasonic (Japan) Main Business

Table 107. Panasonic (Japan) Latest Developments

Table 108. Rohm (Japan) Basic Information, Automotive Power Converter SiC Devices Manufacturing Base, Sales Area and Its Competitors

Table 109. Rohm (Japan) Automotive Power Converter SiC Devices Product Portfolios and Specifications

Table 110. Rohm (Japan) Automotive Power Converter SiC Devices Sales (K Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 111. Rohm (Japan) Main Business

Table 112. Rohm (Japan) Latest Developments

Table 113. Showa Denko (Japan) Basic Information, Automotive Power Converter SiC Devices Manufacturing Base, Sales Area and Its Competitors

Table 114. Showa Denko (Japan) Automotive Power Converter SiC Devices Product Portfolios and Specifications

Table 115. Showa Denko (Japan) Automotive Power Converter SiC Devices Sales (K Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 116. Showa Denko (Japan) Main Business

Table 117. Showa Denko (Japan) Latest Developments

List Of Figures

LIST OF FIGURES

Figure 1. Picture of Automotive Power Converter SiC Devices

Figure 2. Automotive Power Converter SiC Devices Report Years Considered

Figure 3. Research Objectives

Figure 4. Research Methodology

Figure 5. Research Process and Data Source

Figure 6. Global Automotive Power Converter SiC Devices Sales Growth Rate 2019-2030 (K Units)

Figure 7. Global Automotive Power Converter SiC Devices Revenue Growth Rate 2019-2030 (\$ Millions)

Figure 8. Automotive Power Converter SiC Devices Sales by Region (2019, 2023 & 2030) & (\$ Millions)

Figure 9. Product Picture of Step Up Converter SiC Devices

Figure 10. Product Picture of Step Down Converter SiC Devices

Figure 11. Global Automotive Power Converter SiC Devices Sales Market Share by Type in 2023

Figure 12. Global Automotive Power Converter SiC Devices Revenue Market Share by Type (2019-2024)

Figure 13. Automotive Power Converter SiC Devices Consumed in Passenger Cars

Figure 14. Global Automotive Power Converter SiC Devices Market: Passenger Cars (2019-2024) & (K Units)

Figure 15. Automotive Power Converter SiC Devices Consumed in Commercial Vehicles

Figure 16. Global Automotive Power Converter SiC Devices Market: Commercial Vehicles (2019-2024) & (K Units)

Figure 17. Global Automotive Power Converter SiC Devices Sales Market Share by Application (2023)

Figure 18. Global Automotive Power Converter SiC Devices Revenue Market Share by Application in 2023

Figure 19. Automotive Power Converter SiC Devices Sales Market by Company in 2023 (K Units)

Figure 20. Global Automotive Power Converter SiC Devices Sales Market Share by Company in 2023

Figure 21. Automotive Power Converter SiC Devices Revenue Market by Company in 2023 (\$ Million)

Figure 22. Global Automotive Power Converter SiC Devices Revenue Market Share by

Company in 2023

Figure 23. Global Automotive Power Converter SiC Devices Sales Market Share by Geographic Region (2019-2024)

Figure 24. Global Automotive Power Converter SiC Devices Revenue Market Share by Geographic Region in 2023

Figure 25. Americas Automotive Power Converter SiC Devices Sales 2019-2024 (K Units)

Figure 26. Americas Automotive Power Converter SiC Devices Revenue 2019-2024 (\$ Millions)

Figure 27. APAC Automotive Power Converter SiC Devices Sales 2019-2024 (K Units)

Figure 28. APAC Automotive Power Converter SiC Devices Revenue 2019-2024 (\$ Millions)

Figure 29. Europe Automotive Power Converter SiC Devices Sales 2019-2024 (K Units)

Figure 30. Europe Automotive Power Converter SiC Devices Revenue 2019-2024 (\$ Millions)

Figure 31. Middle East & Africa Automotive Power Converter SiC Devices Sales 2019-2024 (K Units)

Figure 32. Middle East & Africa Automotive Power Converter SiC Devices Revenue 2019-2024 (\$ Millions)

Figure 33. Americas Automotive Power Converter SiC Devices Sales Market Share by Country in 2023

Figure 34. Americas Automotive Power Converter SiC Devices Revenue Market Share by Country in 2023

Figure 35. Americas Automotive Power Converter SiC Devices Sales Market Share by Type (2019-2024)

Figure 36. Americas Automotive Power Converter SiC Devices Sales Market Share by Application (2019-2024)

Figure 37. United States Automotive Power Converter SiC Devices Revenue Growth 2019-2024 (\$ Millions)

Figure 38. Canada Automotive Power Converter SiC Devices Revenue Growth 2019-2024 (\$ Millions)

Figure 39. Mexico Automotive Power Converter SiC Devices Revenue Growth 2019-2024 (\$ Millions)

Figure 40. Brazil Automotive Power Converter SiC Devices Revenue Growth 2019-2024 (\$ Millions)

Figure 41. APAC Automotive Power Converter SiC Devices Sales Market Share by Region in 2023

Figure 42. APAC Automotive Power Converter SiC Devices Revenue Market Share by Regions in 2023

Figure 43. APAC Automotive Power Converter SiC Devices Sales Market Share by Type (2019-2024)

Figure 44. APAC Automotive Power Converter SiC Devices Sales Market Share by Application (2019-2024)

Figure 45. China Automotive Power Converter SiC Devices Revenue Growth 2019-2024 (\$ Millions)

Figure 46. Japan Automotive Power Converter SiC Devices Revenue Growth 2019-2024 (\$ Millions)

Figure 47. South Korea Automotive Power Converter SiC Devices Revenue Growth 2019-2024 (\$ Millions)

Figure 48. Southeast Asia Automotive Power Converter SiC Devices Revenue Growth 2019-2024 (\$ Millions)

Figure 49. India Automotive Power Converter SiC Devices Revenue Growth 2019-2024 (\$ Millions)

Figure 50. Australia Automotive Power Converter SiC Devices Revenue Growth 2019-2024 (\$ Millions)

Figure 51. China Taiwan Automotive Power Converter SiC Devices Revenue Growth 2019-2024 (\$ Millions)

Figure 52. Europe Automotive Power Converter SiC Devices Sales Market Share by Country in 2023

Figure 53. Europe Automotive Power Converter SiC Devices Revenue Market Share by Country in 2023

Figure 54. Europe Automotive Power Converter SiC Devices Sales Market Share by Type (2019-2024)

Figure 55. Europe Automotive Power Converter SiC Devices Sales Market Share by Application (2019-2024)

Figure 56. Germany Automotive Power Converter SiC Devices Revenue Growth 2019-2024 (\$ Millions)

Figure 57. France Automotive Power Converter SiC Devices Revenue Growth 2019-2024 (\$ Millions)

Figure 58. UK Automotive Power Converter SiC Devices Revenue Growth 2019-2024 (\$ Millions)

Figure 59. Italy Automotive Power Converter SiC Devices Revenue Growth 2019-2024 (\$ Millions)

Figure 60. Russia Automotive Power Converter SiC Devices Revenue Growth 2019-2024 (\$ Millions)

Figure 61. Middle East & Africa Automotive Power Converter SiC Devices Sales Market Share by Country in 2023

Figure 62. Middle East & Africa Automotive Power Converter SiC Devices Revenue

Market Share by Country in 2023

Figure 63. Middle East & Africa Automotive Power Converter SiC Devices Sales Market Share by Type (2019-2024)

Figure 64. Middle East & Africa Automotive Power Converter SiC Devices Sales Market Share by Application (2019-2024)

Figure 65. Egypt Automotive Power Converter SiC Devices Revenue Growth 2019-2024 (\$ Millions)

Figure 66. South Africa Automotive Power Converter SiC Devices Revenue Growth 2019-2024 (\$ Millions)

Figure 67. Israel Automotive Power Converter SiC Devices Revenue Growth 2019-2024 (\$ Millions)

Figure 68. Turkey Automotive Power Converter SiC Devices Revenue Growth 2019-2024 (\$ Millions)

Figure 69. GCC Country Automotive Power Converter SiC Devices Revenue Growth 2019-2024 (\$ Millions)

Figure 70. Manufacturing Cost Structure Analysis of Automotive Power Converter SiC Devices in 2023

Figure 71. Manufacturing Process Analysis of Automotive Power Converter SiC Devices

Figure 72. Industry Chain Structure of Automotive Power Converter SiC Devices

Figure 73. Channels of Distribution

Figure 74. Global Automotive Power Converter SiC Devices Sales Market Forecast by Region (2025-2030)

Figure 75. Global Automotive Power Converter SiC Devices Revenue Market Share Forecast by Region (2025-2030)

Figure 76. Global Automotive Power Converter SiC Devices Sales Market Share Forecast by Type (2025-2030)

Figure 77. Global Automotive Power Converter SiC Devices Revenue Market Share Forecast by Type (2025-2030)

Figure 78. Global Automotive Power Converter SiC Devices Sales Market Share Forecast by Application (2025-2030)

Figure 79. Global Automotive Power Converter SiC Devices Revenue Market Share Forecast by Application (2025-2030)

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