

Global Automotive SiC Technology Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

<https://marketpublishers.com/r/GC956DBDD8DDEN.html>

Date: November 2025

Pages: 133

Price: US\$ 3,480.00 (Single User License)

ID: GC956DBDD8DDEN

Abstracts

According to our (Global Info Research) latest study, the global Automotive SiC Technology market size was valued at US\$ 1514 million in 2024 and is forecast to a readjusted size of USD 5239 million by 2031 with a CAGR of 19.6% during review period.

In this report, we will assess the current U.S. tariff framework alongside international policy adaptations, analyzing their effects on competitive market structures, regional economic dynamics, and supply chain resilience.

This report is a detailed and comprehensive analysis for global Automotive SiC Technology market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Automotive SiC Technology market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Automotive SiC Technology market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Automotive SiC Technology market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Automotive SiC Technology market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2020-2025

The Primary Objectives in This Report Are:

- To determine the size of the total market opportunity of global and key countries
- To assess the growth potential for Automotive SiC Technology
- To forecast future growth in each product and end-use market
- To assess competitive factors affecting the marketplace

This report profiles key players in the global Automotive SiC Technology market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Infineon, STMicroelectronics, Fuji Electric, Mitsubishi Electric, Semikron Danfoss, BYD, Bosch, onsemi, StarPower Semiconductor, Wolfspeed, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

Automotive SiC Technology market is split by Type and by Application. For the period 2020-2031, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

SiC MOSFET

SiC-SBD

Market segment by Application

Main Inverter (Electric Traction)

Charging Pile

Others

Major players covered

Infineon

STMicroelectronics

Fuji Electric

Mitsubishi Electric

Semikron Danfoss

BYD

Bosch

onsemi

StarPower Semiconductor

Wolfspeed

MacMic Science & Technology

Hangzhou Silan Microelectronics

Hitachi Power Semiconductor Device

United Nova Technology

Rohm

Microchip (Microsemi)

Guangdong AccoPower Semiconductor

Grecon Semiconductor (Shanghai)

WeEn Semiconductors

Sanan Optoelectronics

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Automotive SiC Technology product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Automotive SiC Technology, with price, sales quantity, revenue, and global market share of Automotive SiC Technology from

2020 to 2025.

Chapter 3, the Automotive SiC Technology competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Automotive SiC Technology breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2020 to 2031.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2020 to 2025. and Automotive SiC Technology market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Automotive SiC Technology.

Chapter 14 and 15, to describe Automotive SiC Technology sales channel, distributors, customers, research findings and conclusion.

Contents

1 MARKET OVERVIEW

1.1 Product Overview and Scope

1.2 Market Estimation Caveats and Base Year

1.3 Market Analysis by Type

1.3.1 Overview: Global Automotive SiC Technology Consumption Value by Type: 2020 Versus 2024 Versus 2031

1.3.2 SiC MOSFET

1.3.3 SiC-SBD

1.4 Market Analysis by Application

1.4.1 Overview: Global Automotive SiC Technology Consumption Value by Application: 2020 Versus 2024 Versus 2031

1.4.2 Main Inverter (Electric Traction)

1.4.3 Charging Pile

1.4.4 Others

1.5 Global Automotive SiC Technology Market Size & Forecast

1.5.1 Global Automotive SiC Technology Consumption Value (2020 & 2024 & 2031)

1.5.2 Global Automotive SiC Technology Sales Quantity (2020-2031)

1.5.3 Global Automotive SiC Technology Average Price (2020-2031)

2 MANUFACTURERS PROFILES

2.1 Infineon

2.1.1 Infineon Details

2.1.2 Infineon Major Business

2.1.3 Infineon Automotive SiC Technology Product and Services

2.1.4 Infineon Automotive SiC Technology Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.1.5 Infineon Recent Developments/Updates

2.2 STMicroelectronics

2.2.1 STMicroelectronics Details

2.2.2 STMicroelectronics Major Business

2.2.3 STMicroelectronics Automotive SiC Technology Product and Services

2.2.4 STMicroelectronics Automotive SiC Technology Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.2.5 STMicroelectronics Recent Developments/Updates

2.3 Fuji Electric

- 2.3.1 Fuji Electric Details
- 2.3.2 Fuji Electric Major Business
- 2.3.3 Fuji Electric Automotive SiC Technology Product and Services
- 2.3.4 Fuji Electric Automotive SiC Technology Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
- 2.3.5 Fuji Electric Recent Developments/Updates
- 2.4 Mitsubishi Electric
 - 2.4.1 Mitsubishi Electric Details
 - 2.4.2 Mitsubishi Electric Major Business
 - 2.4.3 Mitsubishi Electric Automotive SiC Technology Product and Services
 - 2.4.4 Mitsubishi Electric Automotive SiC Technology Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.4.5 Mitsubishi Electric Recent Developments/Updates
- 2.5 Semikron Danfoss
 - 2.5.1 Semikron Danfoss Details
 - 2.5.2 Semikron Danfoss Major Business
 - 2.5.3 Semikron Danfoss Automotive SiC Technology Product and Services
 - 2.5.4 Semikron Danfoss Automotive SiC Technology Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.5.5 Semikron Danfoss Recent Developments/Updates
- 2.6 BYD
 - 2.6.1 BYD Details
 - 2.6.2 BYD Major Business
 - 2.6.3 BYD Automotive SiC Technology Product and Services
 - 2.6.4 BYD Automotive SiC Technology Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.6.5 BYD Recent Developments/Updates
- 2.7 Bosch
 - 2.7.1 Bosch Details
 - 2.7.2 Bosch Major Business
 - 2.7.3 Bosch Automotive SiC Technology Product and Services
 - 2.7.4 Bosch Automotive SiC Technology Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.7.5 Bosch Recent Developments/Updates
- 2.8 onsemi
 - 2.8.1 onsemi Details
 - 2.8.2 onsemi Major Business
 - 2.8.3 onsemi Automotive SiC Technology Product and Services
 - 2.8.4 onsemi Automotive SiC Technology Sales Quantity, Average Price, Revenue,

Gross Margin and Market Share (2020-2025)

2.8.5 onsemi Recent Developments/Updates

2.9 StarPower Semiconductor

2.9.1 StarPower Semiconductor Details

2.9.2 StarPower Semiconductor Major Business

2.9.3 StarPower Semiconductor Automotive SiC Technology Product and Services

2.9.4 StarPower Semiconductor Automotive SiC Technology Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.9.5 StarPower Semiconductor Recent Developments/Updates

2.10 Wolfspeed

2.10.1 Wolfspeed Details

2.10.2 Wolfspeed Major Business

2.10.3 Wolfspeed Automotive SiC Technology Product and Services

2.10.4 Wolfspeed Automotive SiC Technology Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.10.5 Wolfspeed Recent Developments/Updates

2.11 MacMic Science & Technology

2.11.1 MacMic Science & Technology Details

2.11.2 MacMic Science & Technology Major Business

2.11.3 MacMic Science & Technology Automotive SiC Technology Product and Services

2.11.4 MacMic Science & Technology Automotive SiC Technology Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.11.5 MacMic Science & Technology Recent Developments/Updates

2.12 Hangzhou Silan Microelectronics

2.12.1 Hangzhou Silan Microelectronics Details

2.12.2 Hangzhou Silan Microelectronics Major Business

2.12.3 Hangzhou Silan Microelectronics Automotive SiC Technology Product and Services

2.12.4 Hangzhou Silan Microelectronics Automotive SiC Technology Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.12.5 Hangzhou Silan Microelectronics Recent Developments/Updates

2.13 Hitachi Power Semiconductor Device

2.13.1 Hitachi Power Semiconductor Device Details

2.13.2 Hitachi Power Semiconductor Device Major Business

2.13.3 Hitachi Power Semiconductor Device Automotive SiC Technology Product and Services

2.13.4 Hitachi Power Semiconductor Device Automotive SiC Technology Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

- 2.13.5 Hitachi Power Semiconductor Device Recent Developments/Updates
- 2.14 United Nova Technology
 - 2.14.1 United Nova Technology Details
 - 2.14.2 United Nova Technology Major Business
 - 2.14.3 United Nova Technology Automotive SiC Technology Product and Services
 - 2.14.4 United Nova Technology Automotive SiC Technology Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.14.5 United Nova Technology Recent Developments/Updates
- 2.15 Rohm
 - 2.15.1 Rohm Details
 - 2.15.2 Rohm Major Business
 - 2.15.3 Rohm Automotive SiC Technology Product and Services
 - 2.15.4 Rohm Automotive SiC Technology Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.15.5 Rohm Recent Developments/Updates
- 2.16 Microchip (Microsemi)
 - 2.16.1 Microchip (Microsemi) Details
 - 2.16.2 Microchip (Microsemi) Major Business
 - 2.16.3 Microchip (Microsemi) Automotive SiC Technology Product and Services
 - 2.16.4 Microchip (Microsemi) Automotive SiC Technology Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.16.5 Microchip (Microsemi) Recent Developments/Updates
- 2.17 Guangdong AccoPower Semiconductor
 - 2.17.1 Guangdong AccoPower Semiconductor Details
 - 2.17.2 Guangdong AccoPower Semiconductor Major Business
 - 2.17.3 Guangdong AccoPower Semiconductor Automotive SiC Technology Product and Services
 - 2.17.4 Guangdong AccoPower Semiconductor Automotive SiC Technology Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.17.5 Guangdong AccoPower Semiconductor Recent Developments/Updates
- 2.18 Grecon Semiconductor (Shanghai)
 - 2.18.1 Grecon Semiconductor (Shanghai) Details
 - 2.18.2 Grecon Semiconductor (Shanghai) Major Business
 - 2.18.3 Grecon Semiconductor (Shanghai) Automotive SiC Technology Product and Services
 - 2.18.4 Grecon Semiconductor (Shanghai) Automotive SiC Technology Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.18.5 Grecon Semiconductor (Shanghai) Recent Developments/Updates
- 2.19 WeEn Semiconductors

- 2.19.1 WeEn Semiconductors Details
- 2.19.2 WeEn Semiconductors Major Business
- 2.19.3 WeEn Semiconductors Automotive SiC Technology Product and Services
- 2.19.4 WeEn Semiconductors Automotive SiC Technology Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
- 2.19.5 WeEn Semiconductors Recent Developments/Updates
- 2.20 Sanan Optoelectronics
 - 2.20.1 Sanan Optoelectronics Details
 - 2.20.2 Sanan Optoelectronics Major Business
 - 2.20.3 Sanan Optoelectronics Automotive SiC Technology Product and Services
 - 2.20.4 Sanan Optoelectronics Automotive SiC Technology Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.20.5 Sanan Optoelectronics Recent Developments/Updates

3 COMPETITIVE ENVIRONMENT: AUTOMOTIVE SiC TECHNOLOGY BY MANUFACTURER

- 3.1 Global Automotive SiC Technology Sales Quantity by Manufacturer (2020-2025)
- 3.2 Global Automotive SiC Technology Revenue by Manufacturer (2020-2025)
- 3.3 Global Automotive SiC Technology Average Price by Manufacturer (2020-2025)
- 3.4 Market Share Analysis (2024)
 - 3.4.1 Producer Shipments of Automotive SiC Technology by Manufacturer Revenue (\$MM) and Market Share (%): 2024
 - 3.4.2 Top 3 Automotive SiC Technology Manufacturer Market Share in 2024
 - 3.4.3 Top 6 Automotive SiC Technology Manufacturer Market Share in 2024
- 3.5 Automotive SiC Technology Market: Overall Company Footprint Analysis
 - 3.5.1 Automotive SiC Technology Market: Region Footprint
 - 3.5.2 Automotive SiC Technology Market: Company Product Type Footprint
 - 3.5.3 Automotive SiC Technology Market: Company Product Application Footprint
- 3.6 New Market Entrants and Barriers to Market Entry
- 3.7 Mergers, Acquisition, Agreements, and Collaborations

4 CONSUMPTION ANALYSIS BY REGION

- 4.1 Global Automotive SiC Technology Market Size by Region
 - 4.1.1 Global Automotive SiC Technology Sales Quantity by Region (2020-2031)
 - 4.1.2 Global Automotive SiC Technology Consumption Value by Region (2020-2031)
 - 4.1.3 Global Automotive SiC Technology Average Price by Region (2020-2031)
- 4.2 North America Automotive SiC Technology Consumption Value (2020-2031)

- 4.3 Europe Automotive SiC Technology Consumption Value (2020-2031)
- 4.4 Asia-Pacific Automotive SiC Technology Consumption Value (2020-2031)
- 4.5 South America Automotive SiC Technology Consumption Value (2020-2031)
- 4.6 Middle East & Africa Automotive SiC Technology Consumption Value (2020-2031)

5 MARKET SEGMENT BY TYPE

- 5.1 Global Automotive SiC Technology Sales Quantity by Type (2020-2031)
- 5.2 Global Automotive SiC Technology Consumption Value by Type (2020-2031)
- 5.3 Global Automotive SiC Technology Average Price by Type (2020-2031)

6 MARKET SEGMENT BY APPLICATION

- 6.1 Global Automotive SiC Technology Sales Quantity by Application (2020-2031)
- 6.2 Global Automotive SiC Technology Consumption Value by Application (2020-2031)
- 6.3 Global Automotive SiC Technology Average Price by Application (2020-2031)

7 NORTH AMERICA

- 7.1 North America Automotive SiC Technology Sales Quantity by Type (2020-2031)
- 7.2 North America Automotive SiC Technology Sales Quantity by Application (2020-2031)
- 7.3 North America Automotive SiC Technology Market Size by Country
 - 7.3.1 North America Automotive SiC Technology Sales Quantity by Country (2020-2031)
 - 7.3.2 North America Automotive SiC Technology Consumption Value by Country (2020-2031)
 - 7.3.3 United States Market Size and Forecast (2020-2031)
 - 7.3.4 Canada Market Size and Forecast (2020-2031)
 - 7.3.5 Mexico Market Size and Forecast (2020-2031)

8 EUROPE

- 8.1 Europe Automotive SiC Technology Sales Quantity by Type (2020-2031)
- 8.2 Europe Automotive SiC Technology Sales Quantity by Application (2020-2031)
- 8.3 Europe Automotive SiC Technology Market Size by Country
 - 8.3.1 Europe Automotive SiC Technology Sales Quantity by Country (2020-2031)
 - 8.3.2 Europe Automotive SiC Technology Consumption Value by Country (2020-2031)
 - 8.3.3 Germany Market Size and Forecast (2020-2031)

- 8.3.4 France Market Size and Forecast (2020-2031)
- 8.3.5 United Kingdom Market Size and Forecast (2020-2031)
- 8.3.6 Russia Market Size and Forecast (2020-2031)
- 8.3.7 Italy Market Size and Forecast (2020-2031)

9 ASIA-PACIFIC

- 9.1 Asia-Pacific Automotive SiC Technology Sales Quantity by Type (2020-2031)
- 9.2 Asia-Pacific Automotive SiC Technology Sales Quantity by Application (2020-2031)
- 9.3 Asia-Pacific Automotive SiC Technology Market Size by Region
 - 9.3.1 Asia-Pacific Automotive SiC Technology Sales Quantity by Region (2020-2031)
 - 9.3.2 Asia-Pacific Automotive SiC Technology Consumption Value by Region (2020-2031)
 - 9.3.3 China Market Size and Forecast (2020-2031)
 - 9.3.4 Japan Market Size and Forecast (2020-2031)
 - 9.3.5 South Korea Market Size and Forecast (2020-2031)
 - 9.3.6 India Market Size and Forecast (2020-2031)
 - 9.3.7 Southeast Asia Market Size and Forecast (2020-2031)
 - 9.3.8 Australia Market Size and Forecast (2020-2031)

10 SOUTH AMERICA

- 10.1 South America Automotive SiC Technology Sales Quantity by Type (2020-2031)
- 10.2 South America Automotive SiC Technology Sales Quantity by Application (2020-2031)
- 10.3 South America Automotive SiC Technology Market Size by Country
 - 10.3.1 South America Automotive SiC Technology Sales Quantity by Country (2020-2031)
 - 10.3.2 South America Automotive SiC Technology Consumption Value by Country (2020-2031)
 - 10.3.3 Brazil Market Size and Forecast (2020-2031)
 - 10.3.4 Argentina Market Size and Forecast (2020-2031)

11 MIDDLE EAST & AFRICA

- 11.1 Middle East & Africa Automotive SiC Technology Sales Quantity by Type (2020-2031)
- 11.2 Middle East & Africa Automotive SiC Technology Sales Quantity by Application (2020-2031)

- 11.3 Middle East & Africa Automotive SiC Technology Market Size by Country
 - 11.3.1 Middle East & Africa Automotive SiC Technology Sales Quantity by Country (2020-2031)
 - 11.3.2 Middle East & Africa Automotive SiC Technology Consumption Value by Country (2020-2031)
 - 11.3.3 Turkey Market Size and Forecast (2020-2031)
 - 11.3.4 Egypt Market Size and Forecast (2020-2031)
 - 11.3.5 Saudi Arabia Market Size and Forecast (2020-2031)
 - 11.3.6 South Africa Market Size and Forecast (2020-2031)

12 MARKET DYNAMICS

- 12.1 Automotive SiC Technology Market Drivers
- 12.2 Automotive SiC Technology Market Restraints
- 12.3 Automotive SiC Technology Trends Analysis
- 12.4 Porters Five Forces Analysis
 - 12.4.1 Threat of New Entrants
 - 12.4.2 Bargaining Power of Suppliers
 - 12.4.3 Bargaining Power of Buyers
 - 12.4.4 Threat of Substitutes
 - 12.4.5 Competitive Rivalry

13 RAW MATERIAL AND INDUSTRY CHAIN

- 13.1 Raw Material of Automotive SiC Technology and Key Manufacturers
- 13.2 Manufacturing Costs Percentage of Automotive SiC Technology
- 13.3 Automotive SiC Technology Production Process
- 13.4 Industry Value Chain Analysis

14 SHIPMENTS BY DISTRIBUTION CHANNEL

- 14.1 Sales Channel
 - 14.1.1 Direct to End-User
 - 14.1.2 Distributors
- 14.2 Automotive SiC Technology Typical Distributors
- 14.3 Automotive SiC Technology Typical Customers

15 RESEARCH FINDINGS AND CONCLUSION

16 APPENDIX

16.1 Methodology

16.2 Research Process and Data Source

16.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. Global Automotive SiC Technology Consumption Value by Type, (USD Million), 2020 & 2024 & 2031

Table 2. Global Automotive SiC Technology Consumption Value by Application, (USD Million), 2020 & 2024 & 2031

Table 3. Infineon Basic Information, Manufacturing Base and Competitors

Table 4. Infineon Major Business

Table 5. Infineon Automotive SiC Technology Product and Services

Table 6. Infineon Automotive SiC Technology Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 7. Infineon Recent Developments/Updates

Table 8. STMicroelectronics Basic Information, Manufacturing Base and Competitors

Table 9. STMicroelectronics Major Business

Table 10. STMicroelectronics Automotive SiC Technology Product and Services

Table 11. STMicroelectronics Automotive SiC Technology Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 12. STMicroelectronics Recent Developments/Updates

Table 13. Fuji Electric Basic Information, Manufacturing Base and Competitors

Table 14. Fuji Electric Major Business

Table 15. Fuji Electric Automotive SiC Technology Product and Services

Table 16. Fuji Electric Automotive SiC Technology Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 17. Fuji Electric Recent Developments/Updates

Table 18. Mitsubishi Electric Basic Information, Manufacturing Base and Competitors

Table 19. Mitsubishi Electric Major Business

Table 20. Mitsubishi Electric Automotive SiC Technology Product and Services

Table 21. Mitsubishi Electric Automotive SiC Technology Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 22. Mitsubishi Electric Recent Developments/Updates

Table 23. Semikron Danfoss Basic Information, Manufacturing Base and Competitors

Table 24. Semikron Danfoss Major Business

Table 25. Semikron Danfoss Automotive SiC Technology Product and Services

Table 26. Semikron Danfoss Automotive SiC Technology Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share

(2020-2025)

Table 27. Semikron Danfoss Recent Developments/Updates

Table 28. BYD Basic Information, Manufacturing Base and Competitors

Table 29. BYD Major Business

Table 30. BYD Automotive SiC Technology Product and Services

Table 31. BYD Automotive SiC Technology Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 32. BYD Recent Developments/Updates

Table 33. Bosch Basic Information, Manufacturing Base and Competitors

Table 34. Bosch Major Business

Table 35. Bosch Automotive SiC Technology Product and Services

Table 36. Bosch Automotive SiC Technology Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 37. Bosch Recent Developments/Updates

Table 38. onsemi Basic Information, Manufacturing Base and Competitors

Table 39. onsemi Major Business

Table 40. onsemi Automotive SiC Technology Product and Services

Table 41. onsemi Automotive SiC Technology Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 42. onsemi Recent Developments/Updates

Table 43. StarPower Semiconductor Basic Information, Manufacturing Base and Competitors

Table 44. StarPower Semiconductor Major Business

Table 45. StarPower Semiconductor Automotive SiC Technology Product and Services

Table 46. StarPower Semiconductor Automotive SiC Technology Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 47. StarPower Semiconductor Recent Developments/Updates

Table 48. Wolfspeed Basic Information, Manufacturing Base and Competitors

Table 49. Wolfspeed Major Business

Table 50. Wolfspeed Automotive SiC Technology Product and Services

Table 51. Wolfspeed Automotive SiC Technology Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 52. Wolfspeed Recent Developments/Updates

Table 53. MacMic Science & Technology Basic Information, Manufacturing Base and Competitors

Table 54. MacMic Science & Technology Major Business

Table 55. MacMic Science & Technology Automotive SiC Technology Product and Services

Table 56. MacMic Science & Technology Automotive SiC Technology Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 57. MacMic Science & Technology Recent Developments/Updates

Table 58. Hangzhou Silan Microelectronics Basic Information, Manufacturing Base and Competitors

Table 59. Hangzhou Silan Microelectronics Major Business

Table 60. Hangzhou Silan Microelectronics Automotive SiC Technology Product and Services

Table 61. Hangzhou Silan Microelectronics Automotive SiC Technology Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 62. Hangzhou Silan Microelectronics Recent Developments/Updates

Table 63. Hitachi Power Semiconductor Device Basic Information, Manufacturing Base and Competitors

Table 64. Hitachi Power Semiconductor Device Major Business

Table 65. Hitachi Power Semiconductor Device Automotive SiC Technology Product and Services

Table 66. Hitachi Power Semiconductor Device Automotive SiC Technology Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 67. Hitachi Power Semiconductor Device Recent Developments/Updates

Table 68. United Nova Technology Basic Information, Manufacturing Base and Competitors

Table 69. United Nova Technology Major Business

Table 70. United Nova Technology Automotive SiC Technology Product and Services

Table 71. United Nova Technology Automotive SiC Technology Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 72. United Nova Technology Recent Developments/Updates

Table 73. Rohm Basic Information, Manufacturing Base and Competitors

Table 74. Rohm Major Business

Table 75. Rohm Automotive SiC Technology Product and Services

Table 76. Rohm Automotive SiC Technology Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 77. Rohm Recent Developments/Updates

Table 78. Microchip (Microsemi) Basic Information, Manufacturing Base and Competitors

Table 79. Microchip (Microsemi) Major Business

Table 80. Microchip (Microsemi) Automotive SiC Technology Product and Services

Table 81. Microchip (Microsemi) Automotive SiC Technology Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 82. Microchip (Microsemi) Recent Developments/Updates

Table 83. Guangdong AccoPower Semiconductor Basic Information, Manufacturing Base and Competitors

Table 84. Guangdong AccoPower Semiconductor Major Business

Table 85. Guangdong AccoPower Semiconductor Automotive SiC Technology Product and Services

Table 86. Guangdong AccoPower Semiconductor Automotive SiC Technology Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 87. Guangdong AccoPower Semiconductor Recent Developments/Updates

Table 88. Grecon Semiconductor (Shanghai) Basic Information, Manufacturing Base and Competitors

Table 89. Grecon Semiconductor (Shanghai) Major Business

Table 90. Grecon Semiconductor (Shanghai) Automotive SiC Technology Product and Services

Table 91. Grecon Semiconductor (Shanghai) Automotive SiC Technology Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 92. Grecon Semiconductor (Shanghai) Recent Developments/Updates

Table 93. WeEn Semiconductors Basic Information, Manufacturing Base and Competitors

Table 94. WeEn Semiconductors Major Business

Table 95. WeEn Semiconductors Automotive SiC Technology Product and Services

Table 96. WeEn Semiconductors Automotive SiC Technology Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 97. WeEn Semiconductors Recent Developments/Updates

Table 98. Sanan Optoelectronics Basic Information, Manufacturing Base and Competitors

Table 99. Sanan Optoelectronics Major Business

Table 100. Sanan Optoelectronics Automotive SiC Technology Product and Services

Table 101. Sanan Optoelectronics Automotive SiC Technology Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 102. Sanan Optoelectronics Recent Developments/Updates

Table 103. Global Automotive SiC Technology Sales Quantity by Manufacturer (2020-2025) & (K Units)

Table 104. Global Automotive SiC Technology Revenue by Manufacturer (2020-2025) & (USD Million)

Table 105. Global Automotive SiC Technology Average Price by Manufacturer (2020-2025) & (US\$/Unit)

Table 106. Market Position of Manufacturers in Automotive SiC Technology, (Tier 1, Tier 2, and Tier 3), Based on Revenue in 2024

Table 107. Head Office and Automotive SiC Technology Production Site of Key Manufacturer

Table 108. Automotive SiC Technology Market: Company Product Type Footprint

Table 109. Automotive SiC Technology Market: Company Product Application Footprint

Table 110. Automotive SiC Technology New Market Entrants and Barriers to Market Entry

Table 111. Automotive SiC Technology Mergers, Acquisition, Agreements, and Collaborations

Table 112. Global Automotive SiC Technology Consumption Value by Region (2020-2024-2031) & (USD Million) & CAGR

Table 113. Global Automotive SiC Technology Sales Quantity by Region (2020-2025) & (K Units)

Table 114. Global Automotive SiC Technology Sales Quantity by Region (2026-2031) & (K Units)

Table 115. Global Automotive SiC Technology Consumption Value by Region (2020-2025) & (USD Million)

Table 116. Global Automotive SiC Technology Consumption Value by Region (2026-2031) & (USD Million)

Table 117. Global Automotive SiC Technology Average Price by Region (2020-2025) & (US\$/Unit)

Table 118. Global Automotive SiC Technology Average Price by Region (2026-2031) & (US\$/Unit)

Table 119. Global Automotive SiC Technology Sales Quantity by Type (2020-2025) & (K Units)

Table 120. Global Automotive SiC Technology Sales Quantity by Type (2026-2031) & (K Units)

Table 121. Global Automotive SiC Technology Consumption Value by Type (2020-2025) & (USD Million)

Table 122. Global Automotive SiC Technology Consumption Value by Type (2026-2031) & (USD Million)

Table 123. Global Automotive SiC Technology Average Price by Type (2020-2025) &

(US\$/Unit)

Table 124. Global Automotive SiC Technology Average Price by Type (2026-2031) & (US\$/Unit)

Table 125. Global Automotive SiC Technology Sales Quantity by Application (2020-2025) & (K Units)

Table 126. Global Automotive SiC Technology Sales Quantity by Application (2026-2031) & (K Units)

Table 127. Global Automotive SiC Technology Consumption Value by Application (2020-2025) & (USD Million)

Table 128. Global Automotive SiC Technology Consumption Value by Application (2026-2031) & (USD Million)

Table 129. Global Automotive SiC Technology Average Price by Application (2020-2025) & (US\$/Unit)

Table 130. Global Automotive SiC Technology Average Price by Application (2026-2031) & (US\$/Unit)

Table 131. North America Automotive SiC Technology Sales Quantity by Type (2020-2025) & (K Units)

Table 132. North America Automotive SiC Technology Sales Quantity by Type (2026-2031) & (K Units)

Table 133. North America Automotive SiC Technology Sales Quantity by Application (2020-2025) & (K Units)

Table 134. North America Automotive SiC Technology Sales Quantity by Application (2026-2031) & (K Units)

Table 135. North America Automotive SiC Technology Sales Quantity by Country (2020-2025) & (K Units)

Table 136. North America Automotive SiC Technology Sales Quantity by Country (2026-2031) & (K Units)

Table 137. North America Automotive SiC Technology Consumption Value by Country (2020-2025) & (USD Million)

Table 138. North America Automotive SiC Technology Consumption Value by Country (2026-2031) & (USD Million)

Table 139. Europe Automotive SiC Technology Sales Quantity by Type (2020-2025) & (K Units)

Table 140. Europe Automotive SiC Technology Sales Quantity by Type (2026-2031) & (K Units)

Table 141. Europe Automotive SiC Technology Sales Quantity by Application (2020-2025) & (K Units)

Table 142. Europe Automotive SiC Technology Sales Quantity by Application (2026-2031) & (K Units)

Table 143. Europe Automotive SiC Technology Sales Quantity by Country (2020-2025) & (K Units)

Table 144. Europe Automotive SiC Technology Sales Quantity by Country (2026-2031) & (K Units)

Table 145. Europe Automotive SiC Technology Consumption Value by Country (2020-2025) & (USD Million)

Table 146. Europe Automotive SiC Technology Consumption Value by Country (2026-2031) & (USD Million)

Table 147. Asia-Pacific Automotive SiC Technology Sales Quantity by Type (2020-2025) & (K Units)

Table 148. Asia-Pacific Automotive SiC Technology Sales Quantity by Type (2026-2031) & (K Units)

Table 149. Asia-Pacific Automotive SiC Technology Sales Quantity by Application (2020-2025) & (K Units)

Table 150. Asia-Pacific Automotive SiC Technology Sales Quantity by Application (2026-2031) & (K Units)

Table 151. Asia-Pacific Automotive SiC Technology Sales Quantity by Region (2020-2025) & (K Units)

Table 152. Asia-Pacific Automotive SiC Technology Sales Quantity by Region (2026-2031) & (K Units)

Table 153. Asia-Pacific Automotive SiC Technology Consumption Value by Region (2020-2025) & (USD Million)

Table 154. Asia-Pacific Automotive SiC Technology Consumption Value by Region (2026-2031) & (USD Million)

Table 155. South America Automotive SiC Technology Sales Quantity by Type (2020-2025) & (K Units)

Table 156. South America Automotive SiC Technology Sales Quantity by Type (2026-2031) & (K Units)

Table 157. South America Automotive SiC Technology Sales Quantity by Application (2020-2025) & (K Units)

Table 158. South America Automotive SiC Technology Sales Quantity by Application (2026-2031) & (K Units)

Table 159. South America Automotive SiC Technology Sales Quantity by Country (2020-2025) & (K Units)

Table 160. South America Automotive SiC Technology Sales Quantity by Country (2026-2031) & (K Units)

Table 161. South America Automotive SiC Technology Consumption Value by Country (2020-2025) & (USD Million)

Table 162. South America Automotive SiC Technology Consumption Value by Country

(2026-2031) & (USD Million)

Table 163. Middle East & Africa Automotive SiC Technology Sales Quantity by Type (2020-2025) & (K Units)

Table 164. Middle East & Africa Automotive SiC Technology Sales Quantity by Type (2026-2031) & (K Units)

Table 165. Middle East & Africa Automotive SiC Technology Sales Quantity by Application (2020-2025) & (K Units)

Table 166. Middle East & Africa Automotive SiC Technology Sales Quantity by Application (2026-2031) & (K Units)

Table 167. Middle East & Africa Automotive SiC Technology Sales Quantity by Country (2020-2025) & (K Units)

Table 168. Middle East & Africa Automotive SiC Technology Sales Quantity by Country (2026-2031) & (K Units)

Table 169. Middle East & Africa Automotive SiC Technology Consumption Value by Country (2020-2025) & (USD Million)

Table 170. Middle East & Africa Automotive SiC Technology Consumption Value by Country (2026-2031) & (USD Million)

Table 171. Automotive SiC Technology Raw Material

Table 172. Key Manufacturers of Automotive SiC Technology Raw Materials

Table 173. Automotive SiC Technology Typical Distributors

Table 174. Automotive SiC Technology Typical Customers

List Of Figures

LIST OF FIGURES

- Figure 1. Automotive SiC Technology Picture
- Figure 2. Global Automotive SiC Technology Revenue by Type, (USD Million), 2020 & 2024 & 2031
- Figure 3. Global Automotive SiC Technology Revenue Market Share by Type in 2024
- Figure 4. SiC MOSFET Examples
- Figure 5. SiC-SBD Examples
- Figure 6. Global Automotive SiC Technology Consumption Value by Application, (USD Million), 2020 & 2024 & 2031
- Figure 7. Global Automotive SiC Technology Revenue Market Share by Application in 2024
- Figure 8. Main Inverter (Electric Traction) Examples
- Figure 9. Charging Pile Examples
- Figure 10. Others Examples
- Figure 11. Global Automotive SiC Technology Consumption Value, (USD Million): 2020 & 2024 & 2031
- Figure 12. Global Automotive SiC Technology Consumption Value and Forecast (2020-2031) & (USD Million)
- Figure 13. Global Automotive SiC Technology Sales Quantity (2020-2031) & (K Units)
- Figure 14. Global Automotive SiC Technology Price (2020-2031) & (US\$/Unit)
- Figure 15. Global Automotive SiC Technology Sales Quantity Market Share by Manufacturer in 2024
- Figure 16. Global Automotive SiC Technology Revenue Market Share by Manufacturer in 2024
- Figure 17. Producer Shipments of Automotive SiC Technology by Manufacturer Sales (\$MM) and Market Share (%): 2024
- Figure 18. Top 3 Automotive SiC Technology Manufacturer (Revenue) Market Share in 2024
- Figure 19. Top 6 Automotive SiC Technology Manufacturer (Revenue) Market Share in 2024
- Figure 20. Global Automotive SiC Technology Sales Quantity Market Share by Region (2020-2031)
- Figure 21. Global Automotive SiC Technology Consumption Value Market Share by Region (2020-2031)
- Figure 22. North America Automotive SiC Technology Consumption Value (2020-2031) & (USD Million)

Figure 23. Europe Automotive SiC Technology Consumption Value (2020-2031) & (USD Million)

Figure 24. Asia-Pacific Automotive SiC Technology Consumption Value (2020-2031) & (USD Million)

Figure 25. South America Automotive SiC Technology Consumption Value (2020-2031) & (USD Million)

Figure 26. Middle East & Africa Automotive SiC Technology Consumption Value (2020-2031) & (USD Million)

Figure 27. Global Automotive SiC Technology Sales Quantity Market Share by Type (2020-2031)

Figure 28. Global Automotive SiC Technology Consumption Value Market Share by Type (2020-2031)

Figure 29. Global Automotive SiC Technology Average Price by Type (2020-2031) & (US\$/Unit)

Figure 30. Global Automotive SiC Technology Sales Quantity Market Share by Application (2020-2031)

Figure 31. Global Automotive SiC Technology Revenue Market Share by Application (2020-2031)

Figure 32. Global Automotive SiC Technology Average Price by Application (2020-2031) & (US\$/Unit)

Figure 33. North America Automotive SiC Technology Sales Quantity Market Share by Type (2020-2031)

Figure 34. North America Automotive SiC Technology Sales Quantity Market Share by Application (2020-2031)

Figure 35. North America Automotive SiC Technology Sales Quantity Market Share by Country (2020-2031)

Figure 36. North America Automotive SiC Technology Consumption Value Market Share by Country (2020-2031)

Figure 37. United States Automotive SiC Technology Consumption Value (2020-2031) & (USD Million)

Figure 38. Canada Automotive SiC Technology Consumption Value (2020-2031) & (USD Million)

Figure 39. Mexico Automotive SiC Technology Consumption Value (2020-2031) & (USD Million)

Figure 40. Europe Automotive SiC Technology Sales Quantity Market Share by Type (2020-2031)

Figure 41. Europe Automotive SiC Technology Sales Quantity Market Share by Application (2020-2031)

Figure 42. Europe Automotive SiC Technology Sales Quantity Market Share by Country

(2020-2031)

Figure 43. Europe Automotive SiC Technology Consumption Value Market Share by Country (2020-2031)

Figure 44. Germany Automotive SiC Technology Consumption Value (2020-2031) & (USD Million)

Figure 45. France Automotive SiC Technology Consumption Value (2020-2031) & (USD Million)

Figure 46. United Kingdom Automotive SiC Technology Consumption Value (2020-2031) & (USD Million)

Figure 47. Russia Automotive SiC Technology Consumption Value (2020-2031) & (USD Million)

Figure 48. Italy Automotive SiC Technology Consumption Value (2020-2031) & (USD Million)

Figure 49. Asia-Pacific Automotive SiC Technology Sales Quantity Market Share by Type (2020-2031)

Figure 50. Asia-Pacific Automotive SiC Technology Sales Quantity Market Share by Application (2020-2031)

Figure 51. Asia-Pacific Automotive SiC Technology Sales Quantity Market Share by Region (2020-2031)

Figure 52. Asia-Pacific Automotive SiC Technology Consumption Value Market Share by Region (2020-2031)

Figure 53. China Automotive SiC Technology Consumption Value (2020-2031) & (USD Million)

Figure 54. Japan Automotive SiC Technology Consumption Value (2020-2031) & (USD Million)

Figure 55. South Korea Automotive SiC Technology Consumption Value (2020-2031) & (USD Million)

Figure 56. India Automotive SiC Technology Consumption Value (2020-2031) & (USD Million)

Figure 57. Southeast Asia Automotive SiC Technology Consumption Value (2020-2031) & (USD Million)

Figure 58. Australia Automotive SiC Technology Consumption Value (2020-2031) & (USD Million)

Figure 59. South America Automotive SiC Technology Sales Quantity Market Share by Type (2020-2031)

Figure 60. South America Automotive SiC Technology Sales Quantity Market Share by Application (2020-2031)

Figure 61. South America Automotive SiC Technology Sales Quantity Market Share by Country (2020-2031)

Figure 62. South America Automotive SiC Technology Consumption Value Market Share by Country (2020-2031)

Figure 63. Brazil Automotive SiC Technology Consumption Value (2020-2031) & (USD Million)

Figure 64. Argentina Automotive SiC Technology Consumption Value (2020-2031) & (USD Million)

Figure 65. Middle East & Africa Automotive SiC Technology Sales Quantity Market Share by Type (2020-2031)

Figure 66. Middle East & Africa Automotive SiC Technology Sales Quantity Market Share by Application (2020-2031)

Figure 67. Middle East & Africa Automotive SiC Technology Sales Quantity Market Share by Country (2020-2031)

Figure 68. Middle East & Africa Automotive SiC Technology Consumption Value Market Share by Country (2020-2031)

Figure 69. Turkey Automotive SiC Technology Consumption Value (2020-2031) & (USD Million)

Figure 70. Egypt Automotive SiC Technology Consumption Value (2020-2031) & (USD Million)

Figure 71. Saudi Arabia Automotive SiC Technology Consumption Value (2020-2031) & (USD Million)

Figure 72. South Africa Automotive SiC Technology Consumption Value (2020-2031) & (USD Million)

Figure 73. Automotive SiC Technology Market Drivers

Figure 74. Automotive SiC Technology Market Restraints

Figure 75. Automotive SiC Technology Market Trends

Figure 76. Porters Five Forces Analysis

Figure 77. Manufacturing Cost Structure Analysis of Automotive SiC Technology in 2024

Figure 78. Manufacturing Process Analysis of Automotive SiC Technology

Figure 79. Automotive SiC Technology Industrial Chain

Figure 80. Sales Channel: Direct to End-User vs Distributors

Figure 81. Direct Channel Pros & Cons

Figure 82. Indirect Channel Pros & Cons

Figure 83. Methodology

Figure 84. Research Process and Data Source

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