

Global Silicon Carbide-Based Power Device Supply, Demand and Key Producers, 2023-2029

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Abstracts

The global Silicon Carbide-Based Power Device market size is expected to reach \$ million by 2029, rising at a market growth of % CAGR during the forecast period (2023-2029).

Silicon carbide-based power devices, also known as power electronic devices, are mainly used in high-power electronic devices for power conversion and control circuits of power equipment, including power diodes, power transistors, thyristors, MOSFETs, IGBTs, etc.

This report studies the global Silicon Carbide-Based Power Device production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Silicon Carbide-Based Power Device, and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2022 as the base year. This report explores demand trends and competition, as well as details the characteristics of Silicon Carbide-Based Power Device that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Silicon Carbide-Based Power Device total production and demand, 2018-2029, (K Units)

Global Silicon Carbide-Based Power Device total production value, 2018-2029, (USD Million)

Global Silicon Carbide-Based Power Device production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global Silicon Carbide-Based Power Device consumption by region & country, CAGR, 2018-2029 & (K Units)

U.S. VS China: Silicon Carbide-Based Power Device domestic production, consumption, key domestic manufacturers and share

Global Silicon Carbide-Based Power Device production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (K Units)

Global Silicon Carbide-Based Power Device production by Type, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global Silicon Carbide-Based Power Device production by Application production, value, CAGR, 2018-2029, (USD Million) & (K Units)

This reports profiles key players in the global Silicon Carbide-Based Power Device market based on the following parameters – company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Infineon Technologies, Fuji Electric, Mitsubishi Electric, ON Semiconductor, Toshiba Corporation, STMicroelectronics, ROHM SEMICONDUCTOR, China Resources Microelectronics Limited and Wuxi NCE Power, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Silicon Carbide-Based Power Device market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2018-2029 by year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the forecast year.

Global Silicon Carbide-Based Power Device Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Silicon Carbide-Based Power Device Market, Segmentation by Type

Power Discrete Devices

Power Modules

Power ICs

Global Silicon Carbide-Based Power Device Market, Segmentation by Application

Automotive

Energy

Industrial

Transport

Other

Companies Profiled:

Infineon Technologies

Fuji Electric

Mitsubishi Electric

ON Semiconductor

Toshiba Corporation

STMicroelectronics

ROHM SEMICONDUCTOR

China Resources Microelectronics Limited

Wuxi NCE Power

StarPower Semiconductor

Hangzhou Silan Microelectronics

Zibo Green Innocore Electronic Technology

Key Questions Answered

1. How big is the global Silicon Carbide-Based Power Device market?
2. What is the demand of the global Silicon Carbide-Based Power Device market?
3. What is the year over year growth of the global Silicon Carbide-Based Power Device market?

4. What is the production and production value of the global Silicon Carbide-Based Power Device market?
5. Who are the key producers in the global Silicon Carbide-Based Power Device market?
6. What are the growth factors driving the market demand?

Contents

1 SUPPLY SUMMARY

- 1.1 Silicon Carbide-Based Power Device Introduction
- 1.2 World Silicon Carbide-Based Power Device Supply & Forecast
 - 1.2.1 World Silicon Carbide-Based Power Device Production Value (2018 & 2022 & 2029)
 - 1.2.2 World Silicon Carbide-Based Power Device Production (2018-2029)
 - 1.2.3 World Silicon Carbide-Based Power Device Pricing Trends (2018-2029)
- 1.3 World Silicon Carbide-Based Power Device Production by Region (Based on Production Site)
 - 1.3.1 World Silicon Carbide-Based Power Device Production Value by Region (2018-2029)
 - 1.3.2 World Silicon Carbide-Based Power Device Production by Region (2018-2029)
 - 1.3.3 World Silicon Carbide-Based Power Device Average Price by Region (2018-2029)
 - 1.3.4 North America Silicon Carbide-Based Power Device Production (2018-2029)
 - 1.3.5 Europe Silicon Carbide-Based Power Device Production (2018-2029)
 - 1.3.6 China Silicon Carbide-Based Power Device Production (2018-2029)
 - 1.3.7 Japan Silicon Carbide-Based Power Device Production (2018-2029)
 - 1.3.8 South Korea Silicon Carbide-Based Power Device Production (2018-2029)
- 1.4 Market Drivers, Restraints and Trends
 - 1.4.1 Silicon Carbide-Based Power Device Market Drivers
 - 1.4.2 Factors Affecting Demand
 - 1.4.3 Silicon Carbide-Based Power Device Major Market Trends
- 1.5 Influence of COVID-19 and Russia-Ukraine War
 - 1.5.1 Influence of COVID-19
 - 1.5.2 Influence of Russia-Ukraine War

2 DEMAND SUMMARY

- 2.1 World Silicon Carbide-Based Power Device Demand (2018-2029)
- 2.2 World Silicon Carbide-Based Power Device Consumption by Region
 - 2.2.1 World Silicon Carbide-Based Power Device Consumption by Region (2018-2023)
 - 2.2.2 World Silicon Carbide-Based Power Device Consumption Forecast by Region (2024-2029)
- 2.3 United States Silicon Carbide-Based Power Device Consumption (2018-2029)
- 2.4 China Silicon Carbide-Based Power Device Consumption (2018-2029)

- 2.5 Europe Silicon Carbide-Based Power Device Consumption (2018-2029)
- 2.6 Japan Silicon Carbide-Based Power Device Consumption (2018-2029)
- 2.7 South Korea Silicon Carbide-Based Power Device Consumption (2018-2029)
- 2.8 ASEAN Silicon Carbide-Based Power Device Consumption (2018-2029)
- 2.9 India Silicon Carbide-Based Power Device Consumption (2018-2029)

3 WORLD SILICON CARBIDE-BASED POWER DEVICE MANUFACTURERS COMPETITIVE ANALYSIS

- 3.1 World Silicon Carbide-Based Power Device Production Value by Manufacturer (2018-2023)
- 3.2 World Silicon Carbide-Based Power Device Production by Manufacturer (2018-2023)
- 3.3 World Silicon Carbide-Based Power Device Average Price by Manufacturer (2018-2023)
- 3.4 Silicon Carbide-Based Power Device Company Evaluation Quadrant
- 3.5 Industry Rank and Concentration Rate (CR)
 - 3.5.1 Global Silicon Carbide-Based Power Device Industry Rank of Major Manufacturers
 - 3.5.2 Global Concentration Ratios (CR4) for Silicon Carbide-Based Power Device in 2022
 - 3.5.3 Global Concentration Ratios (CR8) for Silicon Carbide-Based Power Device in 2022
- 3.6 Silicon Carbide-Based Power Device Market: Overall Company Footprint Analysis
 - 3.6.1 Silicon Carbide-Based Power Device Market: Region Footprint
 - 3.6.2 Silicon Carbide-Based Power Device Market: Company Product Type Footprint
 - 3.6.3 Silicon Carbide-Based Power Device Market: Company Product Application Footprint
- 3.7 Competitive Environment
 - 3.7.1 Historical Structure of the Industry
 - 3.7.2 Barriers of Market Entry
 - 3.7.3 Factors of Competition
- 3.8 New Entrant and Capacity Expansion Plans
- 3.9 Mergers, Acquisition, Agreements, and Collaborations

4 UNITED STATES VS CHINA VS REST OF THE WORLD

- 4.1 United States VS China: Silicon Carbide-Based Power Device Production Value Comparison

- 4.1.1 United States VS China: Silicon Carbide-Based Power Device Production Value Comparison (2018 & 2022 & 2029)
- 4.1.2 United States VS China: Silicon Carbide-Based Power Device Production Value Market Share Comparison (2018 & 2022 & 2029)
- 4.2 United States VS China: Silicon Carbide-Based Power Device Production Comparison
 - 4.2.1 United States VS China: Silicon Carbide-Based Power Device Production Comparison (2018 & 2022 & 2029)
 - 4.2.2 United States VS China: Silicon Carbide-Based Power Device Production Market Share Comparison (2018 & 2022 & 2029)
- 4.3 United States VS China: Silicon Carbide-Based Power Device Consumption Comparison
 - 4.3.1 United States VS China: Silicon Carbide-Based Power Device Consumption Comparison (2018 & 2022 & 2029)
 - 4.3.2 United States VS China: Silicon Carbide-Based Power Device Consumption Market Share Comparison (2018 & 2022 & 2029)
- 4.4 United States Based Silicon Carbide-Based Power Device Manufacturers and Market Share, 2018-2023
 - 4.4.1 United States Based Silicon Carbide-Based Power Device Manufacturers, Headquarters and Production Site (States, Country)
 - 4.4.2 United States Based Manufacturers Silicon Carbide-Based Power Device Production Value (2018-2023)
 - 4.4.3 United States Based Manufacturers Silicon Carbide-Based Power Device Production (2018-2023)
- 4.5 China Based Silicon Carbide-Based Power Device Manufacturers and Market Share
 - 4.5.1 China Based Silicon Carbide-Based Power Device Manufacturers, Headquarters and Production Site (Province, Country)
 - 4.5.2 China Based Manufacturers Silicon Carbide-Based Power Device Production Value (2018-2023)
 - 4.5.3 China Based Manufacturers Silicon Carbide-Based Power Device Production (2018-2023)
- 4.6 Rest of World Based Silicon Carbide-Based Power Device Manufacturers and Market Share, 2018-2023
 - 4.6.1 Rest of World Based Silicon Carbide-Based Power Device Manufacturers, Headquarters and Production Site (State, Country)
 - 4.6.2 Rest of World Based Manufacturers Silicon Carbide-Based Power Device Production Value (2018-2023)
 - 4.6.3 Rest of World Based Manufacturers Silicon Carbide-Based Power Device Production (2018-2023)

5 MARKET ANALYSIS BY TYPE

5.1 World Silicon Carbide-Based Power Device Market Size Overview by Type: 2018 VS 2022 VS 2029

5.2 Segment Introduction by Type

5.2.1 Power Discrete Devices

5.2.2 Power Modules

5.2.3 Power ICs

5.3 Market Segment by Type

5.3.1 World Silicon Carbide-Based Power Device Production by Type (2018-2029)

5.3.2 World Silicon Carbide-Based Power Device Production Value by Type (2018-2029)

5.3.3 World Silicon Carbide-Based Power Device Average Price by Type (2018-2029)

6 MARKET ANALYSIS BY APPLICATION

6.1 World Silicon Carbide-Based Power Device Market Size Overview by Application: 2018 VS 2022 VS 2029

6.2 Segment Introduction by Application

6.2.1 Automotive

6.2.2 Energy

6.2.3 Industrial

6.2.4 Transport

6.2.5 Other

6.3 Market Segment by Application

6.3.1 World Silicon Carbide-Based Power Device Production by Application (2018-2029)

6.3.2 World Silicon Carbide-Based Power Device Production Value by Application (2018-2029)

6.3.3 World Silicon Carbide-Based Power Device Average Price by Application (2018-2029)

7 COMPANY PROFILES

7.1 Infineon Technologies

7.1.1 Infineon Technologies Details

7.1.2 Infineon Technologies Major Business

7.1.3 Infineon Technologies Silicon Carbide-Based Power Device Product and

Services

7.1.4 Infineon Technologies Silicon Carbide-Based Power Device Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.1.5 Infineon Technologies Recent Developments/Updates

7.1.6 Infineon Technologies Competitive Strengths & Weaknesses

7.2 Fuji Electric

7.2.1 Fuji Electric Details

7.2.2 Fuji Electric Major Business

7.2.3 Fuji Electric Silicon Carbide-Based Power Device Product and Services

7.2.4 Fuji Electric Silicon Carbide-Based Power Device Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.2.5 Fuji Electric Recent Developments/Updates

7.2.6 Fuji Electric Competitive Strengths & Weaknesses

7.3 Mitsubishi Electric

7.3.1 Mitsubishi Electric Details

7.3.2 Mitsubishi Electric Major Business

7.3.3 Mitsubishi Electric Silicon Carbide-Based Power Device Product and Services

7.3.4 Mitsubishi Electric Silicon Carbide-Based Power Device Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.3.5 Mitsubishi Electric Recent Developments/Updates

7.3.6 Mitsubishi Electric Competitive Strengths & Weaknesses

7.4 ON Semiconductor

7.4.1 ON Semiconductor Details

7.4.2 ON Semiconductor Major Business

7.4.3 ON Semiconductor Silicon Carbide-Based Power Device Product and Services

7.4.4 ON Semiconductor Silicon Carbide-Based Power Device Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.4.5 ON Semiconductor Recent Developments/Updates

7.4.6 ON Semiconductor Competitive Strengths & Weaknesses

7.5 Toshiba Corporation

7.5.1 Toshiba Corporation Details

7.5.2 Toshiba Corporation Major Business

7.5.3 Toshiba Corporation Silicon Carbide-Based Power Device Product and Services

7.5.4 Toshiba Corporation Silicon Carbide-Based Power Device Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.5.5 Toshiba Corporation Recent Developments/Updates

7.5.6 Toshiba Corporation Competitive Strengths & Weaknesses

7.6 STMicroelectronics

7.6.1 STMicroelectronics Details

- 7.6.2 STMicroelectronics Major Business
- 7.6.3 STMicroelectronics Silicon Carbide-Based Power Device Product and Services
- 7.6.4 STMicroelectronics Silicon Carbide-Based Power Device Production, Price, Value, Gross Margin and Market Share (2018-2023)
- 7.6.5 STMicroelectronics Recent Developments/Updates
- 7.6.6 STMicroelectronics Competitive Strengths & Weaknesses
- 7.7 ROHM SEMICONDUCTOR
 - 7.7.1 ROHM SEMICONDUCTOR Details
 - 7.7.2 ROHM SEMICONDUCTOR Major Business
 - 7.7.3 ROHM SEMICONDUCTOR Silicon Carbide-Based Power Device Product and Services
 - 7.7.4 ROHM SEMICONDUCTOR Silicon Carbide-Based Power Device Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.7.5 ROHM SEMICONDUCTOR Recent Developments/Updates
 - 7.7.6 ROHM SEMICONDUCTOR Competitive Strengths & Weaknesses
- 7.8 China Resources Microelectronics Limited
 - 7.8.1 China Resources Microelectronics Limited Details
 - 7.8.2 China Resources Microelectronics Limited Major Business
 - 7.8.3 China Resources Microelectronics Limited Silicon Carbide-Based Power Device Product and Services
 - 7.8.4 China Resources Microelectronics Limited Silicon Carbide-Based Power Device Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.8.5 China Resources Microelectronics Limited Recent Developments/Updates
 - 7.8.6 China Resources Microelectronics Limited Competitive Strengths & Weaknesses
- 7.9 Wuxi NCE Power
 - 7.9.1 Wuxi NCE Power Details
 - 7.9.2 Wuxi NCE Power Major Business
 - 7.9.3 Wuxi NCE Power Silicon Carbide-Based Power Device Product and Services
 - 7.9.4 Wuxi NCE Power Silicon Carbide-Based Power Device Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.9.5 Wuxi NCE Power Recent Developments/Updates
 - 7.9.6 Wuxi NCE Power Competitive Strengths & Weaknesses
- 7.10 StarPower Semiconductor
 - 7.10.1 StarPower Semiconductor Details
 - 7.10.2 StarPower Semiconductor Major Business
 - 7.10.3 StarPower Semiconductor Silicon Carbide-Based Power Device Product and Services
 - 7.10.4 StarPower Semiconductor Silicon Carbide-Based Power Device Production, Price, Value, Gross Margin and Market Share (2018-2023)

- 7.10.5 StarPower Semiconductor Recent Developments/Updates
- 7.10.6 StarPower Semiconductor Competitive Strengths & Weaknesses
- 7.11 Hangzhou Silan Microelectronics
 - 7.11.1 Hangzhou Silan Microelectronics Details
 - 7.11.2 Hangzhou Silan Microelectronics Major Business
 - 7.11.3 Hangzhou Silan Microelectronics Silicon Carbide-Based Power Device Product and Services
 - 7.11.4 Hangzhou Silan Microelectronics Silicon Carbide-Based Power Device Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.11.5 Hangzhou Silan Microelectronics Recent Developments/Updates
 - 7.11.6 Hangzhou Silan Microelectronics Competitive Strengths & Weaknesses
- 7.12 Zibo Green Innocore Electronic Technology
 - 7.12.1 Zibo Green Innocore Electronic Technology Details
 - 7.12.2 Zibo Green Innocore Electronic Technology Major Business
 - 7.12.3 Zibo Green Innocore Electronic Technology Silicon Carbide-Based Power Device Product and Services
 - 7.12.4 Zibo Green Innocore Electronic Technology Silicon Carbide-Based Power Device Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.12.5 Zibo Green Innocore Electronic Technology Recent Developments/Updates
 - 7.12.6 Zibo Green Innocore Electronic Technology Competitive Strengths & Weaknesses

8 INDUSTRY CHAIN ANALYSIS

- 8.1 Silicon Carbide-Based Power Device Industry Chain
- 8.2 Silicon Carbide-Based Power Device Upstream Analysis
 - 8.2.1 Silicon Carbide-Based Power Device Core Raw Materials
 - 8.2.2 Main Manufacturers of Silicon Carbide-Based Power Device Core Raw Materials
- 8.3 Midstream Analysis
- 8.4 Downstream Analysis
- 8.5 Silicon Carbide-Based Power Device Production Mode
- 8.6 Silicon Carbide-Based Power Device Procurement Model
- 8.7 Silicon Carbide-Based Power Device Industry Sales Model and Sales Channels
 - 8.7.1 Silicon Carbide-Based Power Device Sales Model
 - 8.7.2 Silicon Carbide-Based Power Device Typical Customers

9 RESEARCH FINDINGS AND CONCLUSION

10 APPENDIX

10.1 Methodology

10.2 Research Process and Data Source

10.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. World Silicon Carbide-Based Power Device Production Value by Region (2018, 2022 and 2029) & (USD Million)

Table 2. World Silicon Carbide-Based Power Device Production Value by Region (2018-2023) & (USD Million)

Table 3. World Silicon Carbide-Based Power Device Production Value by Region (2024-2029) & (USD Million)

Table 4. World Silicon Carbide-Based Power Device Production Value Market Share by Region (2018-2023)

Table 5. World Silicon Carbide-Based Power Device Production Value Market Share by Region (2024-2029)

Table 6. World Silicon Carbide-Based Power Device Production by Region (2018-2023) & (K Units)

Table 7. World Silicon Carbide-Based Power Device Production by Region (2024-2029) & (K Units)

Table 8. World Silicon Carbide-Based Power Device Production Market Share by Region (2018-2023)

Table 9. World Silicon Carbide-Based Power Device Production Market Share by Region (2024-2029)

Table 10. World Silicon Carbide-Based Power Device Average Price by Region (2018-2023) & (US\$/Unit)

Table 11. World Silicon Carbide-Based Power Device Average Price by Region (2024-2029) & (US\$/Unit)

Table 12. Silicon Carbide-Based Power Device Major Market Trends

Table 13. World Silicon Carbide-Based Power Device Consumption Growth Rate Forecast by Region (2018 & 2022 & 2029) & (K Units)

Table 14. World Silicon Carbide-Based Power Device Consumption by Region (2018-2023) & (K Units)

Table 15. World Silicon Carbide-Based Power Device Consumption Forecast by Region (2024-2029) & (K Units)

Table 16. World Silicon Carbide-Based Power Device Production Value by Manufacturer (2018-2023) & (USD Million)

Table 17. Production Value Market Share of Key Silicon Carbide-Based Power Device Producers in 2022

Table 18. World Silicon Carbide-Based Power Device Production by Manufacturer (2018-2023) & (K Units)

Table 19. Production Market Share of Key Silicon Carbide-Based Power Device Producers in 2022

Table 20. World Silicon Carbide-Based Power Device Average Price by Manufacturer (2018-2023) & (US\$/Unit)

Table 21. Global Silicon Carbide-Based Power Device Company Evaluation Quadrant

Table 22. World Silicon Carbide-Based Power Device Industry Rank of Major Manufacturers, Based on Production Value in 2022

Table 23. Head Office and Silicon Carbide-Based Power Device Production Site of Key Manufacturer

Table 24. Silicon Carbide-Based Power Device Market: Company Product Type Footprint

Table 25. Silicon Carbide-Based Power Device Market: Company Product Application Footprint

Table 26. Silicon Carbide-Based Power Device Competitive Factors

Table 27. Silicon Carbide-Based Power Device New Entrant and Capacity Expansion Plans

Table 28. Silicon Carbide-Based Power Device Mergers & Acquisitions Activity

Table 29. United States VS China Silicon Carbide-Based Power Device Production Value Comparison, (2018 & 2022 & 2029) & (USD Million)

Table 30. United States VS China Silicon Carbide-Based Power Device Production Comparison, (2018 & 2022 & 2029) & (K Units)

Table 31. United States VS China Silicon Carbide-Based Power Device Consumption Comparison, (2018 & 2022 & 2029) & (K Units)

Table 32. United States Based Silicon Carbide-Based Power Device Manufacturers, Headquarters and Production Site (States, Country)

Table 33. United States Based Manufacturers Silicon Carbide-Based Power Device Production Value, (2018-2023) & (USD Million)

Table 34. United States Based Manufacturers Silicon Carbide-Based Power Device Production Value Market Share (2018-2023)

Table 35. United States Based Manufacturers Silicon Carbide-Based Power Device Production (2018-2023) & (K Units)

Table 36. United States Based Manufacturers Silicon Carbide-Based Power Device Production Market Share (2018-2023)

Table 37. China Based Silicon Carbide-Based Power Device Manufacturers, Headquarters and Production Site (Province, Country)

Table 38. China Based Manufacturers Silicon Carbide-Based Power Device Production Value, (2018-2023) & (USD Million)

Table 39. China Based Manufacturers Silicon Carbide-Based Power Device Production Value Market Share (2018-2023)

Table 40. China Based Manufacturers Silicon Carbide-Based Power Device Production (2018-2023) & (K Units)

Table 41. China Based Manufacturers Silicon Carbide-Based Power Device Production Market Share (2018-2023)

Table 42. Rest of World Based Silicon Carbide-Based Power Device Manufacturers, Headquarters and Production Site (States, Country)

Table 43. Rest of World Based Manufacturers Silicon Carbide-Based Power Device Production Value, (2018-2023) & (USD Million)

Table 44. Rest of World Based Manufacturers Silicon Carbide-Based Power Device Production Value Market Share (2018-2023)

Table 45. Rest of World Based Manufacturers Silicon Carbide-Based Power Device Production (2018-2023) & (K Units)

Table 46. Rest of World Based Manufacturers Silicon Carbide-Based Power Device Production Market Share (2018-2023)

Table 47. World Silicon Carbide-Based Power Device Production Value by Type, (USD Million), 2018 & 2022 & 2029

Table 48. World Silicon Carbide-Based Power Device Production by Type (2018-2023) & (K Units)

Table 49. World Silicon Carbide-Based Power Device Production by Type (2024-2029) & (K Units)

Table 50. World Silicon Carbide-Based Power Device Production Value by Type (2018-2023) & (USD Million)

Table 51. World Silicon Carbide-Based Power Device Production Value by Type (2024-2029) & (USD Million)

Table 52. World Silicon Carbide-Based Power Device Average Price by Type (2018-2023) & (US\$/Unit)

Table 53. World Silicon Carbide-Based Power Device Average Price by Type (2024-2029) & (US\$/Unit)

Table 54. World Silicon Carbide-Based Power Device Production Value by Application, (USD Million), 2018 & 2022 & 2029

Table 55. World Silicon Carbide-Based Power Device Production by Application (2018-2023) & (K Units)

Table 56. World Silicon Carbide-Based Power Device Production by Application (2024-2029) & (K Units)

Table 57. World Silicon Carbide-Based Power Device Production Value by Application (2018-2023) & (USD Million)

Table 58. World Silicon Carbide-Based Power Device Production Value by Application (2024-2029) & (USD Million)

Table 59. World Silicon Carbide-Based Power Device Average Price by Application

(2018-2023) & (US\$/Unit)

Table 60. World Silicon Carbide-Based Power Device Average Price by Application (2024-2029) & (US\$/Unit)

Table 61. Infineon Technologies Basic Information, Manufacturing Base and Competitors

Table 62. Infineon Technologies Major Business

Table 63. Infineon Technologies Silicon Carbide-Based Power Device Product and Services

Table 64. Infineon Technologies Silicon Carbide-Based Power Device Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 65. Infineon Technologies Recent Developments/Updates

Table 66. Infineon Technologies Competitive Strengths & Weaknesses

Table 67. Fuji Electric Basic Information, Manufacturing Base and Competitors

Table 68. Fuji Electric Major Business

Table 69. Fuji Electric Silicon Carbide-Based Power Device Product and Services

Table 70. Fuji Electric Silicon Carbide-Based Power Device Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 71. Fuji Electric Recent Developments/Updates

Table 72. Fuji Electric Competitive Strengths & Weaknesses

Table 73. Mitsubishi Electric Basic Information, Manufacturing Base and Competitors

Table 74. Mitsubishi Electric Major Business

Table 75. Mitsubishi Electric Silicon Carbide-Based Power Device Product and Services

Table 76. Mitsubishi Electric Silicon Carbide-Based Power Device Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 77. Mitsubishi Electric Recent Developments/Updates

Table 78. Mitsubishi Electric Competitive Strengths & Weaknesses

Table 79. ON Semiconductor Basic Information, Manufacturing Base and Competitors

Table 80. ON Semiconductor Major Business

Table 81. ON Semiconductor Silicon Carbide-Based Power Device Product and Services

Table 82. ON Semiconductor Silicon Carbide-Based Power Device Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 83. ON Semiconductor Recent Developments/Updates

Table 84. ON Semiconductor Competitive Strengths & Weaknesses

Table 85. Toshiba Corporation Basic Information, Manufacturing Base and Competitors

Table 86. Toshiba Corporation Major Business

Table 87. Toshiba Corporation Silicon Carbide-Based Power Device Product and Services

Table 88. Toshiba Corporation Silicon Carbide-Based Power Device Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 89. Toshiba Corporation Recent Developments/Updates

Table 90. Toshiba Corporation Competitive Strengths & Weaknesses

Table 91. STMicroelectronics Basic Information, Manufacturing Base and Competitors

Table 92. STMicroelectronics Major Business

Table 93. STMicroelectronics Silicon Carbide-Based Power Device Product and Services

Table 94. STMicroelectronics Silicon Carbide-Based Power Device Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 95. STMicroelectronics Recent Developments/Updates

Table 96. STMicroelectronics Competitive Strengths & Weaknesses

Table 97. ROHM SEMICONDUCTOR Basic Information, Manufacturing Base and Competitors

Table 98. ROHM SEMICONDUCTOR Major Business

Table 99. ROHM SEMICONDUCTOR Silicon Carbide-Based Power Device Product and Services

Table 100. ROHM SEMICONDUCTOR Silicon Carbide-Based Power Device Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 101. ROHM SEMICONDUCTOR Recent Developments/Updates

Table 102. ROHM SEMICONDUCTOR Competitive Strengths & Weaknesses

Table 103. China Resources Microelectronics Limited Basic Information, Manufacturing Base and Competitors

Table 104. China Resources Microelectronics Limited Major Business

Table 105. China Resources Microelectronics Limited Silicon Carbide-Based Power Device Product and Services

Table 106. China Resources Microelectronics Limited Silicon Carbide-Based Power Device Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 107. China Resources Microelectronics Limited Recent Developments/Updates

Table 108. China Resources Microelectronics Limited Competitive Strengths & Weaknesses

Table 109. Wuxi NCE Power Basic Information, Manufacturing Base and Competitors

Table 110. Wuxi NCE Power Major Business

Table 111. Wuxi NCE Power Silicon Carbide-Based Power Device Product and Services

Table 112. Wuxi NCE Power Silicon Carbide-Based Power Device Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 113. Wuxi NCE Power Recent Developments/Updates

Table 114. Wuxi NCE Power Competitive Strengths & Weaknesses

Table 115. StarPower Semiconductor Basic Information, Manufacturing Base and Competitors

Table 116. StarPower Semiconductor Major Business

Table 117. StarPower Semiconductor Silicon Carbide-Based Power Device Product and Services

Table 118. StarPower Semiconductor Silicon Carbide-Based Power Device Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 119. StarPower Semiconductor Recent Developments/Updates

Table 120. StarPower Semiconductor Competitive Strengths & Weaknesses

Table 121. Hangzhou Silan Microelectronics Basic Information, Manufacturing Base and Competitors

Table 122. Hangzhou Silan Microelectronics Major Business

Table 123. Hangzhou Silan Microelectronics Silicon Carbide-Based Power Device Product and Services

Table 124. Hangzhou Silan Microelectronics Silicon Carbide-Based Power Device Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 125. Hangzhou Silan Microelectronics Recent Developments/Updates

Table 126. Zibo Green Innocore Electronic Technology Basic Information, Manufacturing Base and Competitors

Table 127. Zibo Green Innocore Electronic Technology Major Business

Table 128. Zibo Green Innocore Electronic Technology Silicon Carbide-Based Power Device Product and Services

Table 129. Zibo Green Innocore Electronic Technology Silicon Carbide-Based Power Device Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 130. Global Key Players of Silicon Carbide-Based Power Device Upstream (Raw Materials)

Table 131. Silicon Carbide-Based Power Device Typical Customers

Table 132. Silicon Carbide-Based Power Device Typical Distributors

List Of Figures

LIST OF FIGURES

- Figure 1. Silicon Carbide-Based Power Device Picture
- Figure 2. World Silicon Carbide-Based Power Device Production Value: 2018 & 2022 & 2029, (USD Million)
- Figure 3. World Silicon Carbide-Based Power Device Production Value and Forecast (2018-2029) & (USD Million)
- Figure 4. World Silicon Carbide-Based Power Device Production (2018-2029) & (K Units)
- Figure 5. World Silicon Carbide-Based Power Device Average Price (2018-2029) & (US\$/Unit)
- Figure 6. World Silicon Carbide-Based Power Device Production Value Market Share by Region (2018-2029)
- Figure 7. World Silicon Carbide-Based Power Device Production Market Share by Region (2018-2029)
- Figure 8. North America Silicon Carbide-Based Power Device Production (2018-2029) & (K Units)
- Figure 9. Europe Silicon Carbide-Based Power Device Production (2018-2029) & (K Units)
- Figure 10. China Silicon Carbide-Based Power Device Production (2018-2029) & (K Units)
- Figure 11. Japan Silicon Carbide-Based Power Device Production (2018-2029) & (K Units)
- Figure 12. South Korea Silicon Carbide-Based Power Device Production (2018-2029) & (K Units)
- Figure 13. Silicon Carbide-Based Power Device Market Drivers
- Figure 14. Factors Affecting Demand
- Figure 15. World Silicon Carbide-Based Power Device Consumption (2018-2029) & (K Units)
- Figure 16. World Silicon Carbide-Based Power Device Consumption Market Share by Region (2018-2029)
- Figure 17. United States Silicon Carbide-Based Power Device Consumption (2018-2029) & (K Units)
- Figure 18. China Silicon Carbide-Based Power Device Consumption (2018-2029) & (K Units)
- Figure 19. Europe Silicon Carbide-Based Power Device Consumption (2018-2029) & (K Units)

- Figure 20. Japan Silicon Carbide-Based Power Device Consumption (2018-2029) & (K Units)
- Figure 21. South Korea Silicon Carbide-Based Power Device Consumption (2018-2029) & (K Units)
- Figure 22. ASEAN Silicon Carbide-Based Power Device Consumption (2018-2029) & (K Units)
- Figure 23. India Silicon Carbide-Based Power Device Consumption (2018-2029) & (K Units)
- Figure 24. Producer Shipments of Silicon Carbide-Based Power Device by Manufacturer Revenue (\$MM) and Market Share (%): 2022
- Figure 25. Global Four-firm Concentration Ratios (CR4) for Silicon Carbide-Based Power Device Markets in 2022
- Figure 26. Global Four-firm Concentration Ratios (CR8) for Silicon Carbide-Based Power Device Markets in 2022
- Figure 27. United States VS China: Silicon Carbide-Based Power Device Production Value Market Share Comparison (2018 & 2022 & 2029)
- Figure 28. United States VS China: Silicon Carbide-Based Power Device Production Market Share Comparison (2018 & 2022 & 2029)
- Figure 29. United States VS China: Silicon Carbide-Based Power Device Consumption Market Share Comparison (2018 & 2022 & 2029)
- Figure 30. United States Based Manufacturers Silicon Carbide-Based Power Device Production Market Share 2022
- Figure 31. China Based Manufacturers Silicon Carbide-Based Power Device Production Market Share 2022
- Figure 32. Rest of World Based Manufacturers Silicon Carbide-Based Power Device Production Market Share 2022
- Figure 33. World Silicon Carbide-Based Power Device Production Value by Type, (USD Million), 2018 & 2022 & 2029
- Figure 34. World Silicon Carbide-Based Power Device Production Value Market Share by Type in 2022
- Figure 35. Power Discrete Devices
- Figure 36. Power Modules
- Figure 37. Power ICs
- Figure 38. World Silicon Carbide-Based Power Device Production Market Share by Type (2018-2029)
- Figure 39. World Silicon Carbide-Based Power Device Production Value Market Share by Type (2018-2029)
- Figure 40. World Silicon Carbide-Based Power Device Average Price by Type (2018-2029) & (US\$/Unit)

Figure 41. World Silicon Carbide-Based Power Device Production Value by Application, (USD Million), 2018 & 2022 & 2029

Figure 42. World Silicon Carbide-Based Power Device Production Value Market Share by Application in 2022

Figure 43. Automotive

Figure 44. Energy

Figure 45. Industrial

Figure 46. Transport

Figure 47. Other

Figure 48. World Silicon Carbide-Based Power Device Production Market Share by Application (2018-2029)

Figure 49. World Silicon Carbide-Based Power Device Production Value Market Share by Application (2018-2029)

Figure 50. World Silicon Carbide-Based Power Device Average Price by Application (2018-2029) & (US\$/Unit)

Figure 51. Silicon Carbide-Based Power Device Industry Chain

Figure 52. Silicon Carbide-Based Power Device Procurement Model

Figure 53. Silicon Carbide-Based Power Device Sales Model

Figure 54. Silicon Carbide-Based Power Device Sales Channels, Direct Sales, and Distribution

Figure 55. Methodology

Figure 56. Research Process and Data Source

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