

Global Silicon Carbide (SiC) Power Modules Market 2023 by Manufacturers, Regions, Type and Application, Forecast to 2029

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Abstracts

According to our (Global Info Research) latest study, the global Silicon Carbide (SiC) Power Modules market size was valued at USD 188.3 million in 2022 and is forecast to a readjusted size of USD 762.1 million by 2029 with a CAGR of 22.1% during review period.

The Global Info Research report includes an overview of the development of the Silicon Carbide (SiC) Power Modules industry chain, the market status of Electric Vehicle (600V & 650V, 1200V), Rail Traffic (600V & 650V, 1200V), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Silicon Carbide (SiC) Power Modules.

Regionally, the report analyzes the Silicon Carbide (SiC) Power Modules markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Silicon Carbide (SiC) Power Modules market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Silicon Carbide (SiC) Power Modules market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Silicon Carbide (SiC) Power Modules industry.

The report involves analyzing the market at a macro level:

Market Sizing and Segmentation: Report collect data on the overall market size, including the sales quantity (K Pieces), revenue generated, and market share of different by Type (e.g., 600V & 650V, 1200V).

Industry Analysis: Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Silicon Carbide (SiC) Power Modules market.

Regional Analysis: The report involves examining the Silicon Carbide (SiC) Power Modules market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

Market Projections: Report covers the gathered data and analysis to make future projections and forecasts for the Silicon Carbide (SiC) Power Modules market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Silicon Carbide (SiC) Power Modules:

Company Analysis: Report covers individual Silicon Carbide (SiC) Power Modules manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

Consumer Analysis: Report covers data on consumer behaviour, preferences, and attitudes towards Silicon Carbide (SiC) Power Modules This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Electric Vehicle, Rail Traffic).

Technology Analysis: Report covers specific technologies relevant to Silicon Carbide (SiC) Power Modules. It assesses the current state, advancements, and potential future developments in Silicon Carbide (SiC) Power Modules areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers,

the report present insights into the competitive landscape of the Silicon Carbide (SiC) Power Modules market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

Market Validation: The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

Market Segmentation

Silicon Carbide (SiC) Power Modules market is split by Type and by Application. For the period 2018-2029, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

Market segment by Type

600V & 650V

1200V

1700V

Market segment by Application

Electric Vehicle

Rail Traffic

Solar Inverter

Industrial

UPS

Others

Major players covered

Infineon Technologies

ROHM Semiconductor

Wolfspeed

Mitsubishi Electric

Toshiba

STMicroelectronics

GeneSiC Semiconductor Inc.

onsemi

Microchip Technology

Littelfuse (IXYS)

Fuji Electric

Bosch

Semikron Danfoss

GeneSiC Semiconductor Inc.

Imperix

Solitron Devices, Inc.

Cisoid

Hitachi Energy

Coherent Corp (II-VI)

GE Aerospace

DENSO

StarPower Semiconductor

Zhuzhou CRRC Times Electric

WeEn Semiconductors

Shenzhen BASiC Semiconductor

Guangdong Xinjuneng Semiconductor

Shenzhen Senguo Technology

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 Silicon Carbide (SiC) Power Modules product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Silicon Carbide (SiC) Power Modules, with price, sales, revenue and global market share of Silicon Carbide (SiC) Power Modules from 2018 to 2023.

Chapter 3, the Silicon Carbide (SiC) Power Modules competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Silicon Carbide (SiC) Power Modules breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2018 to 2029.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2018 to 2029.

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 2017 to 2022. and Silicon Carbide (SiC) Power Modules market forecast, by regions, type and application, with sales and revenue, from 2024 to 2029.

Chapter 12, market dynamics, drivers, restraints, trends, Porters Five Forces analysis, and Influence of COVID-19 and Russia-Ukraine War.

Chapter 13, the key raw materials and key suppliers, and industry chain of Silicon Carbide (SiC) Power Modules.

Chapter 14 and 15, to describe Silicon Carbide (SiC) Power Modules sales channel, distributors, customers, research findings and conclusion.

Contents

1 MARKET OVERVIEW

- 1.1 Product Overview and Scope of Silicon Carbide (SiC) Power Modules
- 1.2 Market Estimation Caveats and Base Year
- 1.3 Market Analysis by Type
 - 1.3.1 Overview: Global Silicon Carbide (SiC) Power Modules Consumption Value by Type: 2018 Versus 2022 Versus 2029
 - 1.3.2 600V & 650V
 - 1.3.3 1200V
 - 1.3.4 1700V
- 1.4 Market Analysis by Application
 - 1.4.1 Overview: Global Silicon Carbide (SiC) Power Modules Consumption Value by Application: 2018 Versus 2022 Versus 2029
 - 1.4.2 Electric Vehicle
 - 1.4.3 Rail Traffic
 - 1.4.4 Solar Inverter
 - 1.4.5 Industrial
 - 1.4.6 UPS
 - 1.4.7 Others
- 1.5 Global Silicon Carbide (SiC) Power Modules Market Size & Forecast
 - 1.5.1 Global Silicon Carbide (SiC) Power Modules Consumption Value (2018 & 2022 & 2029)
 - 1.5.2 Global Silicon Carbide (SiC) Power Modules Sales Quantity (2018-2029)
 - 1.5.3 Global Silicon Carbide (SiC) Power Modules Average Price (2018-2029)

2 MANUFACTURERS PROFILES

- 2.1 Infineon Technologies
 - 2.1.1 Infineon Technologies Details
 - 2.1.2 Infineon Technologies Major Business
 - 2.1.3 Infineon Technologies Silicon Carbide (SiC) Power Modules Product and Services
 - 2.1.4 Infineon Technologies Silicon Carbide (SiC) Power Modules Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
 - 2.1.5 Infineon Technologies Recent Developments/Updates
- 2.2 ROHM Semiconductor
 - 2.2.1 ROHM Semiconductor Details

- 2.2.2 ROHM Semiconductor Major Business
- 2.2.3 ROHM Semiconductor Silicon Carbide (SiC) Power Modules Product and Services
- 2.2.4 ROHM Semiconductor Silicon Carbide (SiC) Power Modules Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
- 2.2.5 ROHM Semiconductor Recent Developments/Updates
- 2.3 Wolfspeed
 - 2.3.1 Wolfspeed Details
 - 2.3.2 Wolfspeed Major Business
 - 2.3.3 Wolfspeed Silicon Carbide (SiC) Power Modules Product and Services
 - 2.3.4 Wolfspeed Silicon Carbide (SiC) Power Modules Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
 - 2.3.5 Wolfspeed 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 Silicon Carbide (SiC) Power Modules Product and Services
 - 2.4.4 Mitsubishi Electric Silicon Carbide (SiC) Power Modules Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
 - 2.4.5 Mitsubishi Electric Recent Developments/Updates
- 2.5 Toshiba
 - 2.5.1 Toshiba Details
 - 2.5.2 Toshiba Major Business
 - 2.5.3 Toshiba Silicon Carbide (SiC) Power Modules Product and Services
 - 2.5.4 Toshiba Silicon Carbide (SiC) Power Modules Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
 - 2.5.5 Toshiba Recent Developments/Updates
- 2.6 STMicroelectronics
 - 2.6.1 STMicroelectronics Details
 - 2.6.2 STMicroelectronics Major Business
 - 2.6.3 STMicroelectronics Silicon Carbide (SiC) Power Modules Product and Services
 - 2.6.4 STMicroelectronics Silicon Carbide (SiC) Power Modules Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
 - 2.6.5 STMicroelectronics Recent Developments/Updates
- 2.7 GeneSiC Semiconductor Inc.
 - 2.7.1 GeneSiC Semiconductor Inc. Details
 - 2.7.2 GeneSiC Semiconductor Inc. Major Business
 - 2.7.3 GeneSiC Semiconductor Inc. Silicon Carbide (SiC) Power Modules Product and Services

2.7.4 GeneSiC Semiconductor Inc. Silicon Carbide (SiC) Power Modules Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.7.5 GeneSiC Semiconductor Inc. Recent Developments/Updates

2.8 onsemi

2.8.1 onsemi Details

2.8.2 onsemi Major Business

2.8.3 onsemi Silicon Carbide (SiC) Power Modules Product and Services

2.8.4 onsemi Silicon Carbide (SiC) Power Modules Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.8.5 onsemi Recent Developments/Updates

2.9 Microchip Technology

2.9.1 Microchip Technology Details

2.9.2 Microchip Technology Major Business

2.9.3 Microchip Technology Silicon Carbide (SiC) Power Modules Product and Services

2.9.4 Microchip Technology Silicon Carbide (SiC) Power Modules Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.9.5 Microchip Technology Recent Developments/Updates

2.10 Littelfuse (IXYS)

2.10.1 Littelfuse (IXYS) Details

2.10.2 Littelfuse (IXYS) Major Business

2.10.3 Littelfuse (IXYS) Silicon Carbide (SiC) Power Modules Product and Services

2.10.4 Littelfuse (IXYS) Silicon Carbide (SiC) Power Modules Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.10.5 Littelfuse (IXYS) Recent Developments/Updates

2.11 Fuji Electric

2.11.1 Fuji Electric Details

2.11.2 Fuji Electric Major Business

2.11.3 Fuji Electric Silicon Carbide (SiC) Power Modules Product and Services

2.11.4 Fuji Electric Silicon Carbide (SiC) Power Modules Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.11.5 Fuji Electric Recent Developments/Updates

2.12 Bosch

2.12.1 Bosch Details

2.12.2 Bosch Major Business

2.12.3 Bosch Silicon Carbide (SiC) Power Modules Product and Services

2.12.4 Bosch Silicon Carbide (SiC) Power Modules Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.12.5 Bosch Recent Developments/Updates

2.13 Semikron Danfoss

2.13.1 Semikron Danfoss Details

2.13.2 Semikron Danfoss Major Business

2.13.3 Semikron Danfoss Silicon Carbide (SiC) Power Modules Product and Services

2.13.4 Semikron Danfoss Silicon Carbide (SiC) Power Modules Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.13.5 Semikron Danfoss Recent Developments/Updates

2.14 GeneSiC Semiconductor Inc.

2.14.1 GeneSiC Semiconductor Inc. Details

2.14.2 GeneSiC Semiconductor Inc. Major Business

2.14.3 GeneSiC Semiconductor Inc. Silicon Carbide (SiC) Power Modules Product and Services

2.14.4 GeneSiC Semiconductor Inc. Silicon Carbide (SiC) Power Modules Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.14.5 GeneSiC Semiconductor Inc. Recent Developments/Updates

2.15 Imperix

2.15.1 Imperix Details

2.15.2 Imperix Major Business

2.15.3 Imperix Silicon Carbide (SiC) Power Modules Product and Services

2.15.4 Imperix Silicon Carbide (SiC) Power Modules Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.15.5 Imperix Recent Developments/Updates

2.16 Solitron Devices, Inc.

2.16.1 Solitron Devices, Inc. Details

2.16.2 Solitron Devices, Inc. Major Business

2.16.3 Solitron Devices, Inc. Silicon Carbide (SiC) Power Modules Product and Services

2.16.4 Solitron Devices, Inc. Silicon Carbide (SiC) Power Modules Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.16.5 Solitron Devices, Inc. Recent Developments/Updates

2.17 Cissoid

2.17.1 Cissoid Details

2.17.2 Cissoid Major Business

2.17.3 Cissoid Silicon Carbide (SiC) Power Modules Product and Services

2.17.4 Cissoid Silicon Carbide (SiC) Power Modules Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.17.5 Cissoid Recent Developments/Updates

2.18 Hitachi Energy

2.18.1 Hitachi Energy Details

- 2.18.2 Hitachi Energy Major Business
- 2.18.3 Hitachi Energy Silicon Carbide (SiC) Power Modules Product and Services
- 2.18.4 Hitachi Energy Silicon Carbide (SiC) Power Modules Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
- 2.18.5 Hitachi Energy Recent Developments/Updates
- 2.19 Coherent Corp (II-VI)
 - 2.19.1 Coherent Corp (II-VI) Details
 - 2.19.2 Coherent Corp (II-VI) Major Business
 - 2.19.3 Coherent Corp (II-VI) Silicon Carbide (SiC) Power Modules Product and Services
 - 2.19.4 Coherent Corp (II-VI) Silicon Carbide (SiC) Power Modules Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
 - 2.19.5 Coherent Corp (II-VI) Recent Developments/Updates
- 2.20 GE Aerospace
 - 2.20.1 GE Aerospace Details
 - 2.20.2 GE Aerospace Major Business
 - 2.20.3 GE Aerospace Silicon Carbide (SiC) Power Modules Product and Services
 - 2.20.4 GE Aerospace Silicon Carbide (SiC) Power Modules Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
 - 2.20.5 GE Aerospace Recent Developments/Updates
- 2.21 DENSO
 - 2.21.1 DENSO Details
 - 2.21.2 DENSO Major Business
 - 2.21.3 DENSO Silicon Carbide (SiC) Power Modules Product and Services
 - 2.21.4 DENSO Silicon Carbide (SiC) Power Modules Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
 - 2.21.5 DENSO Recent Developments/Updates
- 2.22 StarPower Semiconductor
 - 2.22.1 StarPower Semiconductor Details
 - 2.22.2 StarPower Semiconductor Major Business
 - 2.22.3 StarPower Semiconductor Silicon Carbide (SiC) Power Modules Product and Services
 - 2.22.4 StarPower Semiconductor Silicon Carbide (SiC) Power Modules Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
 - 2.22.5 StarPower Semiconductor Recent Developments/Updates
- 2.23 Zhuzhou CRRC Times Electric
 - 2.23.1 Zhuzhou CRRC Times Electric Details
 - 2.23.2 Zhuzhou CRRC Times Electric Major Business
 - 2.23.3 Zhuzhou CRRC Times Electric Silicon Carbide (SiC) Power Modules Product

and Services

2.23.4 Zhuzhou CRRC Times Electric Silicon Carbide (SiC) Power Modules Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.23.5 Zhuzhou CRRC Times Electric Recent Developments/Updates

2.24 WeEn Semiconductors

2.24.1 WeEn Semiconductors Details

2.24.2 WeEn Semiconductors Major Business

2.24.3 WeEn Semiconductors Silicon Carbide (SiC) Power Modules Product and Services

2.24.4 WeEn Semiconductors Silicon Carbide (SiC) Power Modules Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.24.5 WeEn Semiconductors Recent Developments/Updates

2.25 Shenzhen BASiC Semiconductor

2.25.1 Shenzhen BASiC Semiconductor Details

2.25.2 Shenzhen BASiC Semiconductor Major Business

2.25.3 Shenzhen BASiC Semiconductor Silicon Carbide (SiC) Power Modules Product and Services

2.25.4 Shenzhen BASiC Semiconductor Silicon Carbide (SiC) Power Modules Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.25.5 Shenzhen BASiC Semiconductor Recent Developments/Updates

2.26 Guangdong Xinjuneng Semiconductor

2.26.1 Guangdong Xinjuneng Semiconductor Details

2.26.2 Guangdong Xinjuneng Semiconductor Major Business

2.26.3 Guangdong Xinjuneng Semiconductor Silicon Carbide (SiC) Power Modules Product and Services

2.26.4 Guangdong Xinjuneng Semiconductor Silicon Carbide (SiC) Power Modules Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.26.5 Guangdong Xinjuneng Semiconductor Recent Developments/Updates

2.27 Shenzhen Senguo Technology

2.27.1 Shenzhen Senguo Technology Details

2.27.2 Shenzhen Senguo Technology Major Business

2.27.3 Shenzhen Senguo Technology Silicon Carbide (SiC) Power Modules Product and Services

2.27.4 Shenzhen Senguo Technology Silicon Carbide (SiC) Power Modules Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.27.5 Shenzhen Senguo Technology Recent Developments/Updates

3 COMPETITIVE ENVIRONMENT: SILICON CARBIDE (SiC) POWER MODULES BY MANUFACTURER

- 3.1 Global Silicon Carbide (SiC) Power Modules Sales Quantity by Manufacturer (2018-2023)
- 3.2 Global Silicon Carbide (SiC) Power Modules Revenue by Manufacturer (2018-2023)
- 3.3 Global Silicon Carbide (SiC) Power Modules Average Price by Manufacturer (2018-2023)
- 3.4 Market Share Analysis (2022)
 - 3.4.1 Producer Shipments of Silicon Carbide (SiC) Power Modules by Manufacturer Revenue (\$MM) and Market Share (%): 2022
 - 3.4.2 Top 3 Silicon Carbide (SiC) Power Modules Manufacturer Market Share in 2022
 - 3.4.2 Top 6 Silicon Carbide (SiC) Power Modules Manufacturer Market Share in 2022
- 3.5 Silicon Carbide (SiC) Power Modules Market: Overall Company Footprint Analysis
 - 3.5.1 Silicon Carbide (SiC) Power Modules Market: Region Footprint
 - 3.5.2 Silicon Carbide (SiC) Power Modules Market: Company Product Type Footprint
 - 3.5.3 Silicon Carbide (SiC) Power Modules 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 Silicon Carbide (SiC) Power Modules Market Size by Region
 - 4.1.1 Global Silicon Carbide (SiC) Power Modules Sales Quantity by Region (2018-2029)
 - 4.1.2 Global Silicon Carbide (SiC) Power Modules Consumption Value by Region (2018-2029)
 - 4.1.3 Global Silicon Carbide (SiC) Power Modules Average Price by Region (2018-2029)
- 4.2 North America Silicon Carbide (SiC) Power Modules Consumption Value (2018-2029)
- 4.3 Europe Silicon Carbide (SiC) Power Modules Consumption Value (2018-2029)
- 4.4 Asia-Pacific Silicon Carbide (SiC) Power Modules Consumption Value (2018-2029)
- 4.5 South America Silicon Carbide (SiC) Power Modules Consumption Value (2018-2029)
- 4.6 Middle East and Africa Silicon Carbide (SiC) Power Modules Consumption Value (2018-2029)

5 MARKET SEGMENT BY TYPE

- 5.1 Global Silicon Carbide (SiC) Power Modules Sales Quantity by Type (2018-2029)
- 5.2 Global Silicon Carbide (SiC) Power Modules Consumption Value by Type (2018-2029)
- 5.3 Global Silicon Carbide (SiC) Power Modules Average Price by Type (2018-2029)

6 MARKET SEGMENT BY APPLICATION

- 6.1 Global Silicon Carbide (SiC) Power Modules Sales Quantity by Application (2018-2029)
- 6.2 Global Silicon Carbide (SiC) Power Modules Consumption Value by Application (2018-2029)
- 6.3 Global Silicon Carbide (SiC) Power Modules Average Price by Application (2018-2029)

7 NORTH AMERICA

- 7.1 North America Silicon Carbide (SiC) Power Modules Sales Quantity by Type (2018-2029)
- 7.2 North America Silicon Carbide (SiC) Power Modules Sales Quantity by Application (2018-2029)
- 7.3 North America Silicon Carbide (SiC) Power Modules Market Size by Country
 - 7.3.1 North America Silicon Carbide (SiC) Power Modules Sales Quantity by Country (2018-2029)
 - 7.3.2 North America Silicon Carbide (SiC) Power Modules Consumption Value by Country (2018-2029)
 - 7.3.3 United States Market Size and Forecast (2018-2029)
 - 7.3.4 Canada Market Size and Forecast (2018-2029)
 - 7.3.5 Mexico Market Size and Forecast (2018-2029)

8 EUROPE

- 8.1 Europe Silicon Carbide (SiC) Power Modules Sales Quantity by Type (2018-2029)
- 8.2 Europe Silicon Carbide (SiC) Power Modules Sales Quantity by Application (2018-2029)
- 8.3 Europe Silicon Carbide (SiC) Power Modules Market Size by Country
 - 8.3.1 Europe Silicon Carbide (SiC) Power Modules Sales Quantity by Country (2018-2029)
 - 8.3.2 Europe Silicon Carbide (SiC) Power Modules Consumption Value by Country (2018-2029)

- 8.3.3 Germany Market Size and Forecast (2018-2029)
- 8.3.4 France Market Size and Forecast (2018-2029)
- 8.3.5 United Kingdom Market Size and Forecast (2018-2029)
- 8.3.6 Russia Market Size and Forecast (2018-2029)
- 8.3.7 Italy Market Size and Forecast (2018-2029)

9 ASIA-PACIFIC

- 9.1 Asia-Pacific Silicon Carbide (SiC) Power Modules Sales Quantity by Type (2018-2029)
- 9.2 Asia-Pacific Silicon Carbide (SiC) Power Modules Sales Quantity by Application (2018-2029)
- 9.3 Asia-Pacific Silicon Carbide (SiC) Power Modules Market Size by Region
 - 9.3.1 Asia-Pacific Silicon Carbide (SiC) Power Modules Sales Quantity by Region (2018-2029)
 - 9.3.2 Asia-Pacific Silicon Carbide (SiC) Power Modules Consumption Value by Region (2018-2029)
 - 9.3.3 China Market Size and Forecast (2018-2029)
 - 9.3.4 Japan Market Size and Forecast (2018-2029)
 - 9.3.5 Korea Market Size and Forecast (2018-2029)
 - 9.3.6 India Market Size and Forecast (2018-2029)
 - 9.3.7 Southeast Asia Market Size and Forecast (2018-2029)
 - 9.3.8 Australia Market Size and Forecast (2018-2029)

10 SOUTH AMERICA

- 10.1 South America Silicon Carbide (SiC) Power Modules Sales Quantity by Type (2018-2029)
- 10.2 South America Silicon Carbide (SiC) Power Modules Sales Quantity by Application (2018-2029)
- 10.3 South America Silicon Carbide (SiC) Power Modules Market Size by Country
 - 10.3.1 South America Silicon Carbide (SiC) Power Modules Sales Quantity by Country (2018-2029)
 - 10.3.2 South America Silicon Carbide (SiC) Power Modules Consumption Value by Country (2018-2029)
 - 10.3.3 Brazil Market Size and Forecast (2018-2029)
 - 10.3.4 Argentina Market Size and Forecast (2018-2029)

11 MIDDLE EAST & AFRICA

11.1 Middle East & Africa Silicon Carbide (SiC) Power Modules Sales Quantity by Type (2018-2029)

11.2 Middle East & Africa Silicon Carbide (SiC) Power Modules Sales Quantity by Application (2018-2029)

11.3 Middle East & Africa Silicon Carbide (SiC) Power Modules Market Size by Country

11.3.1 Middle East & Africa Silicon Carbide (SiC) Power Modules Sales Quantity by Country (2018-2029)

11.3.2 Middle East & Africa Silicon Carbide (SiC) Power Modules Consumption Value by Country (2018-2029)

11.3.3 Turkey Market Size and Forecast (2018-2029)

11.3.4 Egypt Market Size and Forecast (2018-2029)

11.3.5 Saudi Arabia Market Size and Forecast (2018-2029)

11.3.6 South Africa Market Size and Forecast (2018-2029)

12 MARKET DYNAMICS

12.1 Silicon Carbide (SiC) Power Modules Market Drivers

12.2 Silicon Carbide (SiC) Power Modules Market Restraints

12.3 Silicon Carbide (SiC) Power Modules 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

12.5 Influence of COVID-19 and Russia-Ukraine War

12.5.1 Influence of COVID-19

12.5.2 Influence of Russia-Ukraine War

13 RAW MATERIAL AND INDUSTRY CHAIN

13.1 Raw Material of Silicon Carbide (SiC) Power Modules and Key Manufacturers

13.2 Manufacturing Costs Percentage of Silicon Carbide (SiC) Power Modules

13.3 Silicon Carbide (SiC) Power Modules Production Process

13.4 Silicon Carbide (SiC) Power Modules Industrial Chain

14 SHIPMENTS BY DISTRIBUTION CHANNEL

14.1 Sales Channel

14.1.1 Direct to End-User

14.1.2 Distributors

14.2 Silicon Carbide (SiC) Power Modules Typical Distributors

14.3 Silicon Carbide (SiC) Power Modules 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 Silicon Carbide (SiC) Power Modules Consumption Value by Type, (USD Million), 2018 & 2022 & 2029

Table 2. Global Silicon Carbide (SiC) Power Modules Consumption Value by Application, (USD Million), 2018 & 2022 & 2029

Table 3. Infineon Technologies Basic Information, Manufacturing Base and Competitors

Table 4. Infineon Technologies Major Business

Table 5. Infineon Technologies Silicon Carbide (SiC) Power Modules Product and Services

Table 6. Infineon Technologies Silicon Carbide (SiC) Power Modules Sales Quantity (K Pieces), Average Price (US\$/Piece), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 7. Infineon Technologies Recent Developments/Updates

Table 8. ROHM Semiconductor Basic Information, Manufacturing Base and Competitors

Table 9. ROHM Semiconductor Major Business

Table 10. ROHM Semiconductor Silicon Carbide (SiC) Power Modules Product and Services

Table 11. ROHM Semiconductor Silicon Carbide (SiC) Power Modules Sales Quantity (K Pieces), Average Price (US\$/Piece), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 12. ROHM Semiconductor Recent Developments/Updates

Table 13. Wolfspeed Basic Information, Manufacturing Base and Competitors

Table 14. Wolfspeed Major Business

Table 15. Wolfspeed Silicon Carbide (SiC) Power Modules Product and Services

Table 16. Wolfspeed Silicon Carbide (SiC) Power Modules Sales Quantity (K Pieces), Average Price (US\$/Piece), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 17. Wolfspeed Recent Developments/Updates

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

Table 19. Mitsubishi Electric Major Business

Table 20. Mitsubishi Electric Silicon Carbide (SiC) Power Modules Product and Services

Table 21. Mitsubishi Electric Silicon Carbide (SiC) Power Modules Sales Quantity (K Pieces), Average Price (US\$/Piece), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 22. Mitsubishi Electric Recent Developments/Updates

Table 23. Toshiba Basic Information, Manufacturing Base and Competitors

Table 24. Toshiba Major Business

Table 25. Toshiba Silicon Carbide (SiC) Power Modules Product and Services

Table 26. Toshiba Silicon Carbide (SiC) Power Modules Sales Quantity (K Pieces), Average Price (US\$/Piece), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 27. Toshiba Recent Developments/Updates

Table 28. STMicroelectronics Basic Information, Manufacturing Base and Competitors

Table 29. STMicroelectronics Major Business

Table 30. STMicroelectronics Silicon Carbide (SiC) Power Modules Product and Services

Table 31. STMicroelectronics Silicon Carbide (SiC) Power Modules Sales Quantity (K Pieces), Average Price (US\$/Piece), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 32. STMicroelectronics Recent Developments/Updates

Table 33. GeneSiC Semiconductor Inc. Basic Information, Manufacturing Base and Competitors

Table 34. GeneSiC Semiconductor Inc. Major Business

Table 35. GeneSiC Semiconductor Inc. Silicon Carbide (SiC) Power Modules Product and Services

Table 36. GeneSiC Semiconductor Inc. Silicon Carbide (SiC) Power Modules Sales Quantity (K Pieces), Average Price (US\$/Piece), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 37. GeneSiC Semiconductor Inc. Recent Developments/Updates

Table 38. onsemi Basic Information, Manufacturing Base and Competitors

Table 39. onsemi Major Business

Table 40. onsemi Silicon Carbide (SiC) Power Modules Product and Services

Table 41. onsemi Silicon Carbide (SiC) Power Modules Sales Quantity (K Pieces), Average Price (US\$/Piece), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 42. onsemi Recent Developments/Updates

Table 43. Microchip Technology Basic Information, Manufacturing Base and Competitors

Table 44. Microchip Technology Major Business

Table 45. Microchip Technology Silicon Carbide (SiC) Power Modules Product and Services

Table 46. Microchip Technology Silicon Carbide (SiC) Power Modules Sales Quantity (K Pieces), Average Price (US\$/Piece), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 47. Microchip Technology Recent Developments/Updates

Table 48. Littelfuse (IXYS) Basic Information, Manufacturing Base and Competitors

Table 49. Littelfuse (IXYS) Major Business

Table 50. Littelfuse (IXYS) Silicon Carbide (SiC) Power Modules Product and Services

Table 51. Littelfuse (IXYS) Silicon Carbide (SiC) Power Modules Sales Quantity (K Pieces), Average Price (US\$/Piece), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 52. Littelfuse (IXYS) Recent Developments/Updates

Table 53. Fuji Electric Basic Information, Manufacturing Base and Competitors

Table 54. Fuji Electric Major Business

Table 55. Fuji Electric Silicon Carbide (SiC) Power Modules Product and Services

Table 56. Fuji Electric Silicon Carbide (SiC) Power Modules Sales Quantity (K Pieces), Average Price (US\$/Piece), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 57. Fuji Electric Recent Developments/Updates

Table 58. Bosch Basic Information, Manufacturing Base and Competitors

Table 59. Bosch Major Business

Table 60. Bosch Silicon Carbide (SiC) Power Modules Product and Services

Table 61. Bosch Silicon Carbide (SiC) Power Modules Sales Quantity (K Pieces), Average Price (US\$/Piece), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 62. Bosch Recent Developments/Updates

Table 63. Semikron Danfoss Basic Information, Manufacturing Base and Competitors

Table 64. Semikron Danfoss Major Business

Table 65. Semikron Danfoss Silicon Carbide (SiC) Power Modules Product and Services

Table 66. Semikron Danfoss Silicon Carbide (SiC) Power Modules Sales Quantity (K Pieces), Average Price (US\$/Piece), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 67. Semikron Danfoss Recent Developments/Updates

Table 68. GeneSiC Semiconductor Inc. Basic Information, Manufacturing Base and Competitors

Table 69. GeneSiC Semiconductor Inc. Major Business

Table 70. GeneSiC Semiconductor Inc. Silicon Carbide (SiC) Power Modules Product and Services

Table 71. GeneSiC Semiconductor Inc. Silicon Carbide (SiC) Power Modules Sales Quantity (K Pieces), Average Price (US\$/Piece), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 72. GeneSiC Semiconductor Inc. Recent Developments/Updates

Table 73. Imperix Basic Information, Manufacturing Base and Competitors

Table 74. Imperix Major Business

Table 75. Imperix Silicon Carbide (SiC) Power Modules Product and Services

Table 76. Imperix Silicon Carbide (SiC) Power Modules Sales Quantity (K Pieces), Average Price (US\$/Piece), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 77. Imperix Recent Developments/Updates

Table 78. Solitron Devices, Inc. Basic Information, Manufacturing Base and Competitors

Table 79. Solitron Devices, Inc. Major Business

Table 80. Solitron Devices, Inc. Silicon Carbide (SiC) Power Modules Product and Services

Table 81. Solitron Devices, Inc. Silicon Carbide (SiC) Power Modules Sales Quantity (K Pieces), Average Price (US\$/Piece), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 82. Solitron Devices, Inc. Recent Developments/Updates

Table 83. Cissoid Basic Information, Manufacturing Base and Competitors

Table 84. Cissoid Major Business

Table 85. Cissoid Silicon Carbide (SiC) Power Modules Product and Services

Table 86. Cissoid Silicon Carbide (SiC) Power Modules Sales Quantity (K Pieces), Average Price (US\$/Piece), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 87. Cissoid Recent Developments/Updates

Table 88. Hitachi Energy Basic Information, Manufacturing Base and Competitors

Table 89. Hitachi Energy Major Business

Table 90. Hitachi Energy Silicon Carbide (SiC) Power Modules Product and Services

Table 91. Hitachi Energy Silicon Carbide (SiC) Power Modules Sales Quantity (K Pieces), Average Price (US\$/Piece), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 92. Hitachi Energy Recent Developments/Updates

Table 93. Coherent Corp (II-VI) Basic Information, Manufacturing Base and Competitors

Table 94. Coherent Corp (II-VI) Major Business

Table 95. Coherent Corp (II-VI) Silicon Carbide (SiC) Power Modules Product and Services

Table 96. Coherent Corp (II-VI) Silicon Carbide (SiC) Power Modules Sales Quantity (K Pieces), Average Price (US\$/Piece), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 97. Coherent Corp (II-VI) Recent Developments/Updates

Table 98. GE Aerospace Basic Information, Manufacturing Base and Competitors

Table 99. GE Aerospace Major Business

Table 100. GE Aerospace Silicon Carbide (SiC) Power Modules Product and Services

Table 101. GE Aerospace Silicon Carbide (SiC) Power Modules Sales Quantity (K Pieces), Average Price (US\$/Piece), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
Table 102. GE Aerospace Recent Developments/Updates
Table 103. DENSO Basic Information, Manufacturing Base and Competitors
Table 104. DENSO Major Business
Table 105. DENSO Silicon Carbide (SiC) Power Modules Product and Services
Table 106. DENSO Silicon Carbide (SiC) Power Modules Sales Quantity (K Pieces), Average Price (US\$/Piece), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
Table 107. DENSO Recent Developments/Updates
Table 108. StarPower Semiconductor Basic Information, Manufacturing Base and Competitors
Table 109. StarPower Semiconductor Major Business
Table 110. StarPower Semiconductor Silicon Carbide (SiC) Power Modules Product and Services
Table 111. StarPower Semiconductor Silicon Carbide (SiC) Power Modules Sales Quantity (K Pieces), Average Price (US\$/Piece), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
Table 112. StarPower Semiconductor Recent Developments/Updates
Table 113. Zhuzhou CRRC Times Electric Basic Information, Manufacturing Base and Competitors
Table 114. Zhuzhou CRRC Times Electric Major Business
Table 115. Zhuzhou CRRC Times Electric Silicon Carbide (SiC) Power Modules Product and Services
Table 116. Zhuzhou CRRC Times Electric Silicon Carbide (SiC) Power Modules Sales Quantity (K Pieces), Average Price (US\$/Piece), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
Table 117. Zhuzhou CRRC Times Electric Recent Developments/Updates
Table 118. WeEn Semiconductors Basic Information, Manufacturing Base and Competitors
Table 119. WeEn Semiconductors Major Business
Table 120. WeEn Semiconductors Silicon Carbide (SiC) Power Modules Product and Services
Table 121. WeEn Semiconductors Silicon Carbide (SiC) Power Modules Sales Quantity (K Pieces), Average Price (US\$/Piece), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
Table 122. WeEn Semiconductors Recent Developments/Updates
Table 123. Shenzhen BASiC Semiconductor Basic Information, Manufacturing Base

and Competitors

Table 124. Shenzhen BASiC Semiconductor Major Business

Table 125. Shenzhen BASiC Semiconductor Silicon Carbide (SiC) Power Modules Product and Services

Table 126. Shenzhen BASiC Semiconductor Silicon Carbide (SiC) Power Modules Sales Quantity (K Pieces), Average Price (US\$/Piece), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 127. Shenzhen BASiC Semiconductor Recent Developments/Updates

Table 128. Guangdong Xinjuneng Semiconductor Basic Information, Manufacturing Base and Competitors

Table 129. Guangdong Xinjuneng Semiconductor Major Business

Table 130. Guangdong Xinjuneng Semiconductor Silicon Carbide (SiC) Power Modules Product and Services

Table 131. Guangdong Xinjuneng Semiconductor Silicon Carbide (SiC) Power Modules Sales Quantity (K Pieces), Average Price (US\$/Piece), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 132. Guangdong Xinjuneng Semiconductor Recent Developments/Updates

Table 133. Shenzhen Senguo Technology Basic Information, Manufacturing Base and Competitors

Table 134. Shenzhen Senguo Technology Major Business

Table 135. Shenzhen Senguo Technology Silicon Carbide (SiC) Power Modules Product and Services

Table 136. Shenzhen Senguo Technology Silicon Carbide (SiC) Power Modules Sales Quantity (K Pieces), Average Price (US\$/Piece), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 137. Shenzhen Senguo Technology Recent Developments/Updates

Table 138. Global Silicon Carbide (SiC) Power Modules Sales Quantity by Manufacturer (2018-2023) & (K Pieces)

Table 139. Global Silicon Carbide (SiC) Power Modules Revenue by Manufacturer (2018-2023) & (USD Million)

Table 140. Global Silicon Carbide (SiC) Power Modules Average Price by Manufacturer (2018-2023) & (US\$/Piece)

Table 141. Market Position of Manufacturers in Silicon Carbide (SiC) Power Modules, (Tier 1, Tier 2, and Tier 3), Based on Consumption Value in 2022

Table 142. Head Office and Silicon Carbide (SiC) Power Modules Production Site of Key Manufacturer

Table 143. Silicon Carbide (SiC) Power Modules Market: Company Product Type Footprint

Table 144. Silicon Carbide (SiC) Power Modules Market: Company Product Application

Footprint

Table 145. Silicon Carbide (SiC) Power Modules New Market Entrants and Barriers to Market Entry

Table 146. Silicon Carbide (SiC) Power Modules Mergers, Acquisition, Agreements, and Collaborations

Table 147. Global Silicon Carbide (SiC) Power Modules Sales Quantity by Region (2018-2023) & (K Pieces)

Table 148. Global Silicon Carbide (SiC) Power Modules Sales Quantity by Region (2024-2029) & (K Pieces)

Table 149. Global Silicon Carbide (SiC) Power Modules Consumption Value by Region (2018-2023) & (USD Million)

Table 150. Global Silicon Carbide (SiC) Power Modules Consumption Value by Region (2024-2029) & (USD Million)

Table 151. Global Silicon Carbide (SiC) Power Modules Average Price by Region (2018-2023) & (US\$/Piece)

Table 152. Global Silicon Carbide (SiC) Power Modules Average Price by Region (2024-2029) & (US\$/Piece)

Table 153. Global Silicon Carbide (SiC) Power Modules Sales Quantity by Type (2018-2023) & (K Pieces)

Table 154. Global Silicon Carbide (SiC) Power Modules Sales Quantity by Type (2024-2029) & (K Pieces)

Table 155. Global Silicon Carbide (SiC) Power Modules Consumption Value by Type (2018-2023) & (USD Million)

Table 156. Global Silicon Carbide (SiC) Power Modules Consumption Value by Type (2024-2029) & (USD Million)

Table 157. Global Silicon Carbide (SiC) Power Modules Average Price by Type (2018-2023) & (US\$/Piece)

Table 158. Global Silicon Carbide (SiC) Power Modules Average Price by Type (2024-2029) & (US\$/Piece)

Table 159. Global Silicon Carbide (SiC) Power Modules Sales Quantity by Application (2018-2023) & (K Pieces)

Table 160. Global Silicon Carbide (SiC) Power Modules Sales Quantity by Application (2024-2029) & (K Pieces)

Table 161. Global Silicon Carbide (SiC) Power Modules Consumption Value by Application (2018-2023) & (USD Million)

Table 162. Global Silicon Carbide (SiC) Power Modules Consumption Value by Application (2024-2029) & (USD Million)

Table 163. Global Silicon Carbide (SiC) Power Modules Average Price by Application (2018-2023) & (US\$/Piece)

Table 164. Global Silicon Carbide (SiC) Power Modules Average Price by Application (2024-2029) & (US\$/Piece)

Table 165. North America Silicon Carbide (SiC) Power Modules Sales Quantity by Type (2018-2023) & (K Pieces)

Table 166. North America Silicon Carbide (SiC) Power Modules Sales Quantity by Type (2024-2029) & (K Pieces)

Table 167. North America Silicon Carbide (SiC) Power Modules Sales Quantity by Application (2018-2023) & (K Pieces)

Table 168. North America Silicon Carbide (SiC) Power Modules Sales Quantity by Application (2024-2029) & (K Pieces)

Table 169. North America Silicon Carbide (SiC) Power Modules Sales Quantity by Country (2018-2023) & (K Pieces)

Table 170. North America Silicon Carbide (SiC) Power Modules Sales Quantity by Country (2024-2029) & (K Pieces)

Table 171. North America Silicon Carbide (SiC) Power Modules Consumption Value by Country (2018-2023) & (USD Million)

Table 172. North America Silicon Carbide (SiC) Power Modules Consumption Value by Country (2024-2029) & (USD Million)

Table 173. Europe Silicon Carbide (SiC) Power Modules Sales Quantity by Type (2018-2023) & (K Pieces)

Table 174. Europe Silicon Carbide (SiC) Power Modules Sales Quantity by Type (2024-2029) & (K Pieces)

Table 175. Europe Silicon Carbide (SiC) Power Modules Sales Quantity by Application (2018-2023) & (K Pieces)

Table 176. Europe Silicon Carbide (SiC) Power Modules Sales Quantity by Application (2024-2029) & (K Pieces)

Table 177. Europe Silicon Carbide (SiC) Power Modules Sales Quantity by Country (2018-2023) & (K Pieces)

Table 178. Europe Silicon Carbide (SiC) Power Modules Sales Quantity by Country (2024-2029) & (K Pieces)

Table 179. Europe Silicon Carbide (SiC) Power Modules Consumption Value by Country (2018-2023) & (USD Million)

Table 180. Europe Silicon Carbide (SiC) Power Modules Consumption Value by Country (2024-2029) & (USD Million)

Table 181. Asia-Pacific Silicon Carbide (SiC) Power Modules Sales Quantity by Type (2018-2023) & (K Pieces)

Table 182. Asia-Pacific Silicon Carbide (SiC) Power Modules Sales Quantity by Type (2024-2029) & (K Pieces)

Table 183. Asia-Pacific Silicon Carbide (SiC) Power Modules Sales Quantity by

Application (2018-2023) & (K Pieces)

Table 184. Asia-Pacific Silicon Carbide (SiC) Power Modules Sales Quantity by Application (2024-2029) & (K Pieces)

Table 185. Asia-Pacific Silicon Carbide (SiC) Power Modules Sales Quantity by Region (2018-2023) & (K Pieces)

Table 186. Asia-Pacific Silicon Carbide (SiC) Power Modules Sales Quantity by Region (2024-2029) & (K Pieces)

Table 187. Asia-Pacific Silicon Carbide (SiC) Power Modules Consumption Value by Region (2018-2023) & (USD Million)

Table 188. Asia-Pacific Silicon Carbide (SiC) Power Modules Consumption Value by Region (2024-2029) & (USD Million)

Table 189. South America Silicon Carbide (SiC) Power Modules Sales Quantity by Type (2018-2023) & (K Pieces)

Table 190. South America Silicon Carbide (SiC) Power Modules Sales Quantity by Type (2024-2029) & (K Pieces)

Table 191. South America Silicon Carbide (SiC) Power Modules Sales Quantity by Application (2018-2023) & (K Pieces)

Table 192. South America Silicon Carbide (SiC) Power Modules Sales Quantity by Application (2024-2029) & (K Pieces)

Table 193. South America Silicon Carbide (SiC) Power Modules Sales Quantity by Country (2018-2023) & (K Pieces)

Table 194. South America Silicon Carbide (SiC) Power Modules Sales Quantity by Country (2024-2029) & (K Pieces)

Table 195. South America Silicon Carbide (SiC) Power Modules Consumption Value by Country (2018-2023) & (USD Million)

Table 196. South America Silicon Carbide (SiC) Power Modules Consumption Value by Country (2024-2029) & (USD Million)

Table 197. Middle East & Africa Silicon Carbide (SiC) Power Modules Sales Quantity by Type (2018-2023) & (K Pieces)

Table 198. Middle East & Africa Silicon Carbide (SiC) Power Modules Sales Quantity by Type (2024-2029) & (K Pieces)

Table 199. Middle East & Africa Silicon Carbide (SiC) Power Modules Sales Quantity by Application (2018-2023) & (K Pieces)

Table 200. Middle East & Africa Silicon Carbide (SiC) Power Modules Sales Quantity by Application (2024-2029) & (K Pieces)

Table 201. Middle East & Africa Silicon Carbide (SiC) Power Modules Sales Quantity by Region (2018-2023) & (K Pieces)

Table 202. Middle East & Africa Silicon Carbide (SiC) Power Modules Sales Quantity by Region (2024-2029) & (K Pieces)

Table 203. Middle East & Africa Silicon Carbide (SiC) Power Modules Consumption Value by Region (2018-2023) & (USD Million)

Table 204. Middle East & Africa Silicon Carbide (SiC) Power Modules Consumption Value by Region (2024-2029) & (USD Million)

Table 205. Silicon Carbide (SiC) Power Modules Raw Material

Table 206. Key Manufacturers of Silicon Carbide (SiC) Power Modules Raw Materials

Table 207. Silicon Carbide (SiC) Power Modules Typical Distributors

Table 208. Silicon Carbide (SiC) Power Modules Typical Customers

List Of Figures

LIST OF FIGURES

- Figure 1. Silicon Carbide (SiC) Power Modules Picture
- Figure 2. Global Silicon Carbide (SiC) Power Modules Consumption Value by Type, (USD Million), 2018 & 2022 & 2029
- Figure 3. Global Silicon Carbide (SiC) Power Modules Consumption Value Market Share by Type in 2022
- Figure 4. 600V & 650V Examples
- Figure 5. 1200V Examples
- Figure 6. 1700V Examples
- Figure 7. Global Silicon Carbide (SiC) Power Modules Consumption Value by Application, (USD Million), 2018 & 2022 & 2029
- Figure 8. Global Silicon Carbide (SiC) Power Modules Consumption Value Market Share by Application in 2022
- Figure 9. Electric Vehicle Examples
- Figure 10. Rail Traffic Examples
- Figure 11. Solar Inverter Examples
- Figure 12. Industrial Examples
- Figure 13. UPS Examples
- Figure 14. Others Examples
- Figure 15. Global Silicon Carbide (SiC) Power Modules Consumption Value, (USD Million): 2018 & 2022 & 2029
- Figure 16. Global Silicon Carbide (SiC) Power Modules Consumption Value and Forecast (2018-2029) & (USD Million)
- Figure 17. Global Silicon Carbide (SiC) Power Modules Sales Quantity (2018-2029) & (K Pieces)
- Figure 18. Global Silicon Carbide (SiC) Power Modules Average Price (2018-2029) & (US\$/Piece)
- Figure 19. Global Silicon Carbide (SiC) Power Modules Sales Quantity Market Share by Manufacturer in 2022
- Figure 20. Global Silicon Carbide (SiC) Power Modules Consumption Value Market Share by Manufacturer in 2022
- Figure 21. Producer Shipments of Silicon Carbide (SiC) Power Modules by Manufacturer Sales Quantity (\$MM) and Market Share (%): 2021
- Figure 22. Top 3 Silicon Carbide (SiC) Power Modules Manufacturer (Consumption Value) Market Share in 2022
- Figure 23. Top 6 Silicon Carbide (SiC) Power Modules Manufacturer (Consumption

Value) Market Share in 2022

Figure 24. Global Silicon Carbide (SiC) Power Modules Sales Quantity Market Share by Region (2018-2029)

Figure 25. Global Silicon Carbide (SiC) Power Modules Consumption Value Market Share by Region (2018-2029)

Figure 26. North America Silicon Carbide (SiC) Power Modules Consumption Value (2018-2029) & (USD Million)

Figure 27. Europe Silicon Carbide (SiC) Power Modules Consumption Value (2018-2029) & (USD Million)

Figure 28. Asia-Pacific Silicon Carbide (SiC) Power Modules Consumption Value (2018-2029) & (USD Million)

Figure 29. South America Silicon Carbide (SiC) Power Modules Consumption Value (2018-2029) & (USD Million)

Figure 30. Middle East & Africa Silicon Carbide (SiC) Power Modules Consumption Value (2018-2029) & (USD Million)

Figure 31. Global Silicon Carbide (SiC) Power Modules Sales Quantity Market Share by Type (2018-2029)

Figure 32. Global Silicon Carbide (SiC) Power Modules Consumption Value Market Share by Type (2018-2029)

Figure 33. Global Silicon Carbide (SiC) Power Modules Average Price by Type (2018-2029) & (US\$/Piece)

Figure 34. Global Silicon Carbide (SiC) Power Modules Sales Quantity Market Share by Application (2018-2029)

Figure 35. Global Silicon Carbide (SiC) Power Modules Consumption Value Market Share by Application (2018-2029)

Figure 36. Global Silicon Carbide (SiC) Power Modules Average Price by Application (2018-2029) & (US\$/Piece)

Figure 37. North America Silicon Carbide (SiC) Power Modules Sales Quantity Market Share by Type (2018-2029)

Figure 38. North America Silicon Carbide (SiC) Power Modules Sales Quantity Market Share by Application (2018-2029)

Figure 39. North America Silicon Carbide (SiC) Power Modules Sales Quantity Market Share by Country (2018-2029)

Figure 40. North America Silicon Carbide (SiC) Power Modules Consumption Value Market Share by Country (2018-2029)

Figure 41. United States Silicon Carbide (SiC) Power Modules Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 42. Canada Silicon Carbide (SiC) Power Modules Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 43. Mexico Silicon Carbide (SiC) Power Modules Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 44. Europe Silicon Carbide (SiC) Power Modules Sales Quantity Market Share by Type (2018-2029)

Figure 45. Europe Silicon Carbide (SiC) Power Modules Sales Quantity Market Share by Application (2018-2029)

Figure 46. Europe Silicon Carbide (SiC) Power Modules Sales Quantity Market Share by Country (2018-2029)

Figure 47. Europe Silicon Carbide (SiC) Power Modules Consumption Value Market Share by Country (2018-2029)

Figure 48. Germany Silicon Carbide (SiC) Power Modules Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 49. France Silicon Carbide (SiC) Power Modules Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 50. United Kingdom Silicon Carbide (SiC) Power Modules Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 51. Russia Silicon Carbide (SiC) Power Modules Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 52. Italy Silicon Carbide (SiC) Power Modules Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 53. Asia-Pacific Silicon Carbide (SiC) Power Modules Sales Quantity Market Share by Type (2018-2029)

Figure 54. Asia-Pacific Silicon Carbide (SiC) Power Modules Sales Quantity Market Share by Application (2018-2029)

Figure 55. Asia-Pacific Silicon Carbide (SiC) Power Modules Sales Quantity Market Share by Region (2018-2029)

Figure 56. Asia-Pacific Silicon Carbide (SiC) Power Modules Consumption Value Market Share by Region (2018-2029)

Figure 57. China Silicon Carbide (SiC) Power Modules Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 58. Japan Silicon Carbide (SiC) Power Modules Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 59. Korea Silicon Carbide (SiC) Power Modules Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 60. India Silicon Carbide (SiC) Power Modules Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 61. Southeast Asia Silicon Carbide (SiC) Power Modules Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 62. Australia Silicon Carbide (SiC) Power Modules Consumption Value and

Growth Rate (2018-2029) & (USD Million)

Figure 63. South America Silicon Carbide (SiC) Power Modules Sales Quantity Market Share by Type (2018-2029)

Figure 64. South America Silicon Carbide (SiC) Power Modules Sales Quantity Market Share by Application (2018-2029)

Figure 65. South America Silicon Carbide (SiC) Power Modules Sales Quantity Market Share by Country (2018-2029)

Figure 66. South America Silicon Carbide (SiC) Power Modules Consumption Value Market Share by Country (2018-2029)

Figure 67. Brazil Silicon Carbide (SiC) Power Modules Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 68. Argentina Silicon Carbide (SiC) Power Modules Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 69. Middle East & Africa Silicon Carbide (SiC) Power Modules Sales Quantity Market Share by Type (2018-2029)

Figure 70. Middle East & Africa Silicon Carbide (SiC) Power Modules Sales Quantity Market Share by Application (2018-2029)

Figure 71. Middle East & Africa Silicon Carbide (SiC) Power Modules Sales Quantity Market Share by Region (2018-2029)

Figure 72. Middle East & Africa Silicon Carbide (SiC) Power Modules Consumption Value Market Share by Region (2018-2029)

Figure 73. Turkey Silicon Carbide (SiC) Power Modules Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 74. Egypt Silicon Carbide (SiC) Power Modules Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 75. Saudi Arabia Silicon Carbide (SiC) Power Modules Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 76. South Africa Silicon Carbide (SiC) Power Modules Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 77. Silicon Carbide (SiC) Power Modules Market Drivers

Figure 78. Silicon Carbide (SiC) Power Modules Market Restraints

Figure 79. Silicon Carbide (SiC) Power Modules Market Trends

Figure 80. Porters Five Forces Analysis

Figure 81. Manufacturing Cost Structure Analysis of Silicon Carbide (SiC) Power Modules in 2022

Figure 82. Manufacturing Process Analysis of Silicon Carbide (SiC) Power Modules

Figure 83. Silicon Carbide (SiC) Power Modules Industrial Chain

Figure 84. Sales Quantity Channel: Direct to End-User vs Distributors

Figure 85. Direct Channel Pros & Cons

Figure 86. Indirect Channel Pros & Cons

Figure 87. Methodology

Figure 88. Research Process and Data Source

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