

# **Silicon Carbide Semiconductor Devices Market Size, Share, & Trends Analysis Report By Component, By Product, By Wafer Size, By End-use, By Region, And Segment Forecasts, 2022 - 2030**

<https://marketpublishers.com/r/SB6DD90AF607EN.html>

Date: January 2023

Pages: 238

Price: US\$ 4,950.00 (Single User License)

ID: SB6DD90AF607EN

## **Abstracts**

This report can be delivered to the clients within 3 Business Days

### **Silicon Carbide Semiconductor Devices Market Growth & Trends**

The global silicon carbide semiconductor devices market size is expected to reach USD 10.39 billion by 2030, registering a CAGR of 23.8% from 2023 to 2030, according to a new report by Grand View Research, Inc. The market's growth can be attributed to the superior material properties of silicon carbide over silicon, the increasing adoption of SiC semiconductor devices in power electronics and electric vehicles, along with its growing applications in the electric vehicle charging infrastructure market. Moreover, the growing R&D investments in the semiconductor industry are creating significant growth opportunities for the silicon carbide (SiC) semiconductor devices market.

The increasing demand for SiC semiconductor chips in the EV charging infrastructure proposes promising opportunities for investments in the SiC semiconductor devices market. SiC devices enable customers to increase the switching frequency with low switching losses. Thus, SiC products are widely used in DC EV (direct current electric vehicle) chargers.

Governments across the world are taking strategic initiatives to reduce carbon emissions, due to which, the electric vehicle industry has observed several developments and investments in the past few years. With the electric vehicle industry's evolution, SiC semiconductor devices play a vital role in electric vehicle charging

infrastructure, thereby witnessing significant market growth.

SiC is increasingly used in electric vehicle manufacturing, and silicon carbide positively influences and revolutionizes the electric vehicle industry. Benefits offered by SiC technology, such as weight reduction, reduced form factors from higher system integration, reduction in switching losses, improvement in system efficiency, and smaller & cheaper components, are driving the adoption of SiC in the electric vehicle industry.

The growing adoption of electric vehicles and the ever-increasing promotional activities of the governments for EVs bode well for the adoption and growth of the silicon carbide (SiC) semiconductor devices market. The outbreak of COVID-19 has taken a severe toll on many industries across the globe. The demand for silicon carbide (SiC) semiconductor devices was negatively impacted due to the customers' declining purchasing power, which was caused by the general decline in the global economy. However, as the world recovers from the adversities of the pandemic, the demand for SiC semiconductor devices is expected to rise owing to increased demand for electric vehicles and power semiconductors.

### Silicon Carbide Semiconductor Devices Market Report Highlights

The Schottky diodes segment is expected to witness significant growth during the forecast period. Silicon carbide-based Schottky diodes are widely used for high-switching applications. Their growing use can be attributed to the benefits such as less consumption of voltage, low forward voltage drops, and efficient energy use. Additionally, silicon carbide Schottky diodes possess better thermal and electrical conductivity than standard silicon, making them a preferable option for various industrial applications

The power semiconductors segment is expected to register the highest growth throughout the forecast period. The integration of Schottky Barrier Diode and MOSFET into silicon carbide power modules results in much lower switching loss, which is expected to support segment growth during the forecast period. Additionally, power semiconductor applications in energy, e-mobility, and industrial applications are harnessing the segment's growth

The 8 inches segment is expected to witness significant growth during the forecast period. The demand for the 8 inches silicon carbide wafers is expected to stem primarily from the industrial and automotive markets. Common 8 inches silicon carbide wafers include epitaxial and polished wafer types. And they are

widely adopted for power devices, wireless infrastructure, and optoelectronics applications

The aerospace & defense segment is expected to register significant growth throughout the forecast period. Innovative solutions for power management, navigation, communication, radars, and motor control applications in the aerospace & defense sector are driving the segment's growth. Moreover, the ability of silicon carbide devices to operate efficiently at high temperatures is the primary factor contributing to the segment growth

Asia Pacific region dominated the market in 2021. The growth can be attributed to a broader customer base and a substantial number of regional silicon carbide (SiC) semiconductor providers. Encouraging government initiatives to promote electric vehicles and power electronics also bodes well for the market's growth

## Contents

### CHAPTER 1 METHODOLOGY AND SCOPE

- 1.1. Research Methodology
- 1.2. Research Scope and Assumptions
- 1.3. List of Data Sources

### CHAPTER 2 EXECUTIVE SUMMARY

- 2.1. Market Snapshot
- 2.2. Segment Snapshot
- 2.3. Competitive Landscape Snapshot

### CHAPTER 3 SILICON CARBIDE (SiC) SEMICONDUCTOR DEVICES INDUSTRY OUTLOOK

- 3.1. Market Segmentation and Scope
- 3.2. Market Lineage Outlook
  - 3.2.1. Global Semiconductor Devices Sector Overview
- 3.3. Penetration and Growth Prospect Mapping
  - 3.3.1. SiC vs GaN - Comparative Analysis
- 3.4. Industry Value Chain Analysis
  - 3.4.1. Raw Material Trends:
  - 3.4.2. Manufacturing Ecosystem Analysis:
    - 3.4.2.1. Geographic mapping of supply
    - 3.4.2.2. Cost component breakup/share
  - 3.4.3. Distribution Landscape:
- 3.5. Regulatory Framework
  - 3.5.1. U.S. CHIPS & Science Act
  - 3.5.2. EU CHIPS Act
- 3.6. Silicon Carbide (SiC) Semiconductor Devices Market - Market Dynamics
  - 3.6.1. Market driver analysis
    - 3.6.1.1. Evolution of semiconductors and superior material properties offered by SiC semiconductors
    - 3.6.1.2. Increasing adoption of silicon carbide semiconductor devices in power electronics
  - 3.6.2. Market challenge analysis
    - 3.6.2.1. Design challenges associated with SiC semiconductor devices

### 3.6.3. Market opportunity analysis

3.6.3.1. SiC semiconductor device applications in electric vehicle charging infrastructure

3.7. Silicon Carbide (SiC) Semiconductor Devices Market - Porter's Five Forces Analysis

3.8. Silicon Carbide (SiC) Semiconductor Devices Market - Macro-Economic Environment Analysis

## **CHAPTER 4 SILICON CARBIDE (SiC) SEMICONDUCTOR DEVICES COMPONENT OUTLOOK**

### 4.1. Silicon Carbide (SiC) Semiconductor Devices Market Share By Component, 2021

4.1.1. Silicon Carbide (SiC) semiconductor devices market, by component

### 4.2. Schottky Diodes

4.2.1. Silicon Carbide (SiC) semiconductor devices market, by Schottky diodes, 2018 - 2030

### 4.3. FET/MOSFET Transistors

4.3.1. Silicon Carbide (SiC) semiconductor devices market, by FET/MOSFET transistors, 2018 - 2030

### 4.4. Integrated Circuits

4.4.1. Silicon Carbide (SiC) semiconductor devices market, by integrated circuits, 2018 - 2030

### 4.5. Rectifiers/Diodes

4.5.1. Silicon Carbide (SiC) semiconductor devices market, by rectifiers/diodes, 2018 - 2030

### 4.6. Power Modules

4.6.1. Silicon Carbide (SiC) semiconductor devices market, by power modules, 2018 - 2030

### 4.7. Others

4.7.1. Others Silicon Carbide (SiC) semiconductor devices market, 2018 - 2030

## **CHAPTER 5 SILICON CARBIDE (SiC) SEMICONDUCTOR DEVICES PRODUCT OUTLOOK**

### 5.1. Silicon Carbide (SiC) Semiconductor Devices Market Share By Product, 2021

5.1.1. Silicon Carbide (SiC) semiconductor devices market, by product

### 5.2. Optoelectronic Devices

5.2.1. Silicon Carbide (SiC) semiconductor devices market, by optoelectronic devices, 2018 - 2030

### 5.3. Power Semiconductors

5.3.1. Silicon Carbide (SiC) semiconductor devices market, by power semiconductors, 2018 - 2030

### 5.4. Frequency Devices

5.4.1. Silicon Carbide (SiC) semiconductor devices market, by frequency devices, 2018 - 2030

## **CHAPTER 6 SILICON CARBIDE (SiC) SEMICONDUCTOR DEVICES WAFER SIZE OUTLOOK**

### 6.1. Silicon Carbide (SiC) Semiconductor Devices Market Share By Wafer Size, 2021

6.1.1. Silicon Carbide (SiC) semiconductor devices market, by wafer size

#### 6.2. 1 inch to 4 inches

6.2.1. Silicon Carbide (SiC) semiconductor devices market, by 1 inch to 4 inches, 2018 - 2030

#### 6.3. 6 inches

6.3.1. Silicon Carbide (SiC) semiconductor devices market, by 6 inches, 2018 - 2030

#### 6.4. 8 inches

6.4.1. Silicon Carbide (SiC) semiconductor devices market, by 8 inches, 2018 - 2030

#### 6.5. 10 inches & above

6.5.1. Silicon Carbide (SiC) semiconductor devices market, by 10 inches & above, 2018 - 2030

## **CHAPTER 7 SILICON CARBIDE (SiC) SEMICONDUCTOR DEVICES END-USE OUTLOOK**

### 7.1. Silicon Carbide (SiC) Semiconductor Devices Market Share By End-use, 2021

7.1.1. Silicon Carbide (SiC) semiconductor devices market, by end-use

#### 7.2. Automotive

7.2.1. Silicon Carbide (SiC) semiconductor devices market, by automotive, 2018 - 2030

7.2.1.1. Silicon Carbide (SiC) semiconductor devices market, by Electric Vehicles (EV), 2018 - 2030

7.2.1.2. Silicon Carbide (SiC) semiconductor devices market, by IC automobiles, 2018 - 2030

#### 7.3. Consumer Electronics

7.3.1. Silicon Carbide (SiC) semiconductor devices market, by consumer electronics, 2018 - 2030

#### 7.4. Aerospace & Defense

7.4.1. Silicon Carbide (SiC) semiconductor devices market, by aerospace & defense, 2018 - 2030

7.5. Medical Devices

7.5.1. Silicon Carbide (SiC) semiconductor devices market, by medical devices, 2018 - 2030

7.6. Data & Communication Devices

7.6.1. Silicon Carbide (SiC) semiconductor devices market, by data & communication devices, 2018 - 2030

7.7. Energy & Power

7.7.1. Silicon Carbide (SiC) semiconductor devices market, by energy & power, 2018 - 2030

7.7.1.1. Silicon Carbide (SiC) semiconductor devices market, by Electric Vehicle (EV) infrastructure, 2018 - 2030

7.7.1.2. Silicon Carbide (SiC) semiconductor devices market, by power distribution & utilities, 2018 - 2030

7.8. Others

7.8.1. Others Silicon Carbide (SiC) semiconductor devices market, 2018 - 2030

## **CHAPTER 8 SILICON CARBIDE (SiC) SEMICONDUCTOR DEVICES REGIONAL OUTLOOK**

8.1. Silicon Carbide (SiC) Semiconductor Devices Market Share By Region, 2021

8.1.1. Global Silicon Carbide (SiC) semiconductor devices market

8.1.2. Global Silicon Carbide (SiC) semiconductor devices market, by region, 2018 - 2030

8.2. North America

8.2.1. North America Silicon Carbide (SiC) semiconductor devices market, 2018 - 2030

8.2.2. North America Silicon Carbide (SiC) semiconductor devices market, by component, 2018 - 2030

8.2.3. North America Silicon Carbide (SiC) semiconductor devices market, by product, 2018 - 2030

8.2.4. North America Silicon Carbide (SiC) semiconductor devices market, by wafer size, 2018 - 2030

8.2.5. North America Silicon Carbide (SiC) semiconductor devices market, by end-use, 2018 - 2030

8.2.5.1. North America Silicon Carbide (SiC) semiconductor devices market, by automotive, 2018 - 2030

8.2.5.2. North America Silicon Carbide (SiC) semiconductor devices market, by energy & power, 2018 - 2030



### 8.2.6. U.S.

8.2.6.1. U.S. Silicon Carbide (SiC) semiconductor devices market, 2018 - 2030

8.2.6.2. U.S. Silicon Carbide (SiC) semiconductor devices market, by component, 2018 - 2030

8.2.6.3. U.S. Silicon Carbide (SiC) semiconductor devices market, by product, 2018 - 2030

8.2.6.4. U.S. Silicon Carbide (SiC) semiconductor devices market, by wafer size, 2018 - 2030

8.2.6.5. U.S. Silicon Carbide (SiC) semiconductor devices market, by end-use, 2018 - 2030

8.2.6.5.1. U.S. Silicon Carbide (SiC) semiconductor devices market, by automotive, 2018 - 2030

8.2.6.5.2. U.S. Silicon Carbide (SiC) semiconductor devices market, by energy & power, 2018 - 2030

### 8.2.7. Canada

8.2.7.1. Canada Silicon Carbide (SiC) semiconductor devices market, 2018 - 2030

8.2.7.2. Canada Silicon Carbide (SiC) semiconductor devices market, by component, 2018 - 2030

8.2.7.3. Canada Silicon Carbide (SiC) semiconductor devices market, by product, 2018 - 2030

8.2.7.4. Canada Silicon Carbide (SiC) semiconductor devices market, by wafer size, 2018 - 2030

8.2.7.5. Canada Silicon Carbide (SiC) semiconductor devices market, by end-use, 2018 - 2030

8.2.7.5.1. Canada Silicon Carbide (SiC) semiconductor devices market, by automotive, 2018 - 2030

8.2.7.5.2. Canada Silicon Carbide (SiC) semiconductor devices market, by energy & power, 2018 - 2030

### 8.3. Europe

8.3.1. Europe Silicon Carbide (SiC) semiconductor devices market, 2018 - 2030

8.3.2. Europe Silicon Carbide (SiC) semiconductor devices market, by component, 2018 - 2030

8.3.3. Europe Silicon Carbide (SiC) semiconductor devices market, by product, 2018 - 2030

8.3.4. Europe Silicon Carbide (SiC) semiconductor devices market, by wafer size, 2018 - 2030

8.3.5. Europe Silicon Carbide (SiC) semiconductor devices market, by end-use, 2018 - 2030

8.3.5.1. Europe Silicon Carbide (SiC) semiconductor devices market, by automotive,



2018 - 2030

8.3.5.2. Europe Silicon Carbide (SiC) semiconductor devices market, by energy & power, 2018 - 2030

8.3.6. U.K.

8.3.6.1. U.K. Silicon Carbide (SiC) semiconductor devices market, 2018 - 2030

8.3.6.2. U.K. Silicon Carbide (SiC) semiconductor devices market, by component, 2018 - 2030

8.3.6.3. U.K. Silicon Carbide (SiC) semiconductor devices market, by product, 2018 - 2030

8.3.6.4. U.K. Silicon Carbide (SiC) semiconductor devices market, by wafer size, 2018 - 2030

8.3.6.5. U.K. Silicon Carbide (SiC) semiconductor devices market, by end-use, 2018 - 2030

8.3.6.5.1. U.K. Silicon Carbide (SiC) semiconductor devices market, by automotive, 2018 - 2030

8.3.6.5.2. U.K. Silicon Carbide (SiC) semiconductor devices market, by energy & power, 2018 - 2030

8.3.7. Germany

8.3.7.1. Germany Silicon Carbide (SiC) semiconductor devices market, 2018 - 2030

8.3.7.2. Germany Silicon Carbide (SiC) semiconductor devices market, by component, 2018 - 2030

8.3.7.3. Germany Silicon Carbide (SiC) semiconductor devices market, by product, 2018 - 2030

8.3.7.4. Germany Silicon Carbide (SiC) semiconductor devices market, by wafer size, 2018 - 2030

8.3.7.5. Germany Silicon Carbide (SiC) semiconductor devices market, by end-use, 2018 - 2030

8.3.7.5.1. Germany Silicon Carbide (SiC) semiconductor devices market, by automotive, 2018 - 2030

8.3.7.5.2. Germany Silicon Carbide (SiC) semiconductor devices market, by energy & power, 2018 - 2030

8.3.8. France

8.3.8.1. France Silicon Carbide (SiC) semiconductor devices market, 2018 - 2030

8.3.8.2. France Silicon Carbide (SiC) semiconductor devices market, by component, 2018 - 2030

8.3.8.3. France Silicon Carbide (SiC) semiconductor devices market, by product, 2018 - 2030

8.3.8.4. France Silicon Carbide (SiC) semiconductor devices market, by wafer size, 2018 - 2030

8.3.8.5. France Silicon Carbide (SiC) semiconductor devices market, by end-use, 2018 - 2030

8.3.8.5.1. France Silicon Carbide (SiC) semiconductor devices market, by automotive, 2018 - 2030

8.3.8.5.2. France Silicon Carbide (SiC) semiconductor devices market, by energy & power, 2018 - 2030

8.3.9. Belgium

8.3.9.1. Belgium Silicon Carbide (SiC) semiconductor devices market, 2018 - 2030

8.3.9.2. Belgium Silicon Carbide (SiC) semiconductor devices market, by component, 2018 - 2030

8.3.9.3. Belgium Silicon Carbide (SiC) semiconductor devices market, by product, 2018 - 2030

8.3.9.4. Belgium Silicon Carbide (SiC) semiconductor devices market, by wafer size, 2018 - 2030

8.3.9.5. Belgium Silicon Carbide (SiC) semiconductor devices market, by end-use, 2018 - 2030

8.3.9.5.1. Belgium Silicon Carbide (SiC) semiconductor devices market, by automotive, 2018 - 2030

8.3.9.5.2. Belgium Silicon Carbide (SiC) semiconductor devices market, by energy & power, 2018 - 2030

8.4. Asia Pacific

8.4.1. Asia Pacific Silicon Carbide (SiC) semiconductor devices market, 2018 - 2030

8.4.2. Asia Pacific Silicon Carbide (SiC) semiconductor devices market, by component, 2018 - 2030

8.4.3. Asia Pacific Silicon Carbide (SiC) semiconductor devices market, by product, 2018 - 2030

8.4.4. Asia Pacific Silicon Carbide (SiC) semiconductor devices market, by wafer size, 2018 - 2030

8.4.5. Asia Pacific Silicon Carbide (SiC) semiconductor devices market, by end-use, 2018 - 2030

8.4.5.1. Asia Pacific Silicon Carbide (SiC) semiconductor devices market, by automotive, 2018 - 2030

8.4.5.2. Asia Pacific Silicon Carbide (SiC) semiconductor devices market, by energy & power, 2018 - 2030

8.4.6. China

8.4.6.1. China Silicon Carbide (SiC) semiconductor devices market, 2018 - 2030

8.4.6.2. China Silicon Carbide (SiC) semiconductor devices market, by component, 2018 - 2030

8.4.6.3. China Silicon Carbide (SiC) semiconductor devices market, by product, 2018

- 2030

8.4.6.4. China Silicon Carbide (SiC) semiconductor devices market, by wafer size, 2018 - 2030

8.4.6.5. China Silicon Carbide (SiC) semiconductor devices market, by end-use, 2018 - 2030

8.4.6.5.1. China Silicon Carbide (SiC) semiconductor devices market, by automotive, 2018 - 2030

8.4.6.5.2. China Silicon Carbide (SiC) semiconductor devices market, by energy & power, 2018 - 2030

8.4.7. India

8.4.7.1. India Silicon Carbide (SiC) semiconductor devices market, 2018 - 2030

8.4.7.2. India Silicon Carbide (SiC) semiconductor devices market, by component, 2018 - 2030

8.4.7.3. India Silicon Carbide (SiC) semiconductor devices market, by product, 2018 - 2030

8.4.7.4. India Silicon Carbide (SiC) semiconductor devices market, by wafer size, 2018 - 2030

8.4.7.5. India Silicon Carbide (SiC) semiconductor devices market, by end-use, 2018 - 2030

8.4.7.5.1. India Silicon Carbide (SiC) semiconductor devices market, by automotive, 2018 - 2030

8.4.7.5.2. India Silicon Carbide (SiC) semiconductor devices market, by energy & power, 2018 - 2030

8.4.8. Taiwan

8.4.8.1. Taiwan Silicon Carbide (SiC) semiconductor devices market, 2018 - 2030

8.4.8.2. Taiwan Silicon Carbide (SiC) semiconductor devices market, by component, 2018 - 2030

8.4.8.3. Taiwan Silicon Carbide (SiC) semiconductor devices market, by product, 2018 - 2030

8.4.8.4. Taiwan Silicon Carbide (SiC) semiconductor devices market, by wafer size, 2018 - 2030

8.4.8.5. Taiwan Silicon Carbide (SiC) semiconductor devices market, by end-use, 2018 - 2030

8.4.8.5.1. Taiwan Silicon Carbide (SiC) semiconductor devices market, by automotive, 2018 - 2030

8.4.8.5.2. Taiwan Silicon Carbide (SiC) semiconductor devices market, by energy & power, 2018 - 2030

8.4.9. Southeast Asia

8.4.9.1. Southeast Asia Silicon Carbide (SiC) semiconductor devices market, 2018 -

2030

8.4.9.2. Southeast Asia Silicon Carbide (SiC) semiconductor devices market, by component, 2018 - 2030

8.4.9.3. Southeast Asia Silicon Carbide (SiC) semiconductor devices market, by product, 2018 - 2030

8.4.9.4. Southeast Asia Silicon Carbide (SiC) semiconductor devices market, by wafer size, 2018 - 2030

8.4.9.5. Southeast Asia Silicon Carbide (SiC) semiconductor devices market, by end-use, 2018 - 2030

8.4.9.5.1. Southeast Asia Silicon Carbide (SiC) semiconductor devices market, by automotive, 2018 - 2030

8.4.9.5.2. Southeast Asia Silicon Carbide (SiC) semiconductor devices market, by energy & power, 2018 - 2030

8.5. Latin America

8.5.1. Latin America Silicon Carbide (SiC) semiconductor devices market, 2018 - 2030

8.5.2. Latin America Silicon Carbide (SiC) semiconductor devices market, by component, 2018 - 2030

8.5.3. Latin America Silicon Carbide (SiC) semiconductor devices market, by product, 2018 - 2030

8.5.4. Latin America Silicon Carbide (SiC) semiconductor devices market, by wafer size, 2018 - 2030

8.5.5. Latin America Silicon Carbide (SiC) semiconductor devices market, by end-use, 2018 - 2030

8.5.5.1. Latin America Silicon Carbide (SiC) semiconductor devices market, by automotive, 2018 - 2030

8.5.5.2. Latin America Silicon Carbide (SiC) semiconductor devices market, by energy & power, 2018 - 2030

8.5.6. Brazil

8.5.6.1. Brazil Silicon Carbide (SiC) semiconductor devices market, 2018 - 2030

8.5.6.2. Brazil Silicon Carbide (SiC) semiconductor devices market, by component, 2018 - 2030

8.5.6.3. Brazil Silicon Carbide (SiC) semiconductor devices market, by product, 2018 - 2030

8.5.6.4. Brazil Silicon Carbide (SiC) semiconductor devices market, by wafer size, 2018 - 2030

8.5.6.5. Brazil Silicon Carbide (SiC) semiconductor devices market, by end-use, 2018 - 2030

8.5.6.5.1. Brazil Silicon Carbide (SiC) semiconductor devices market, by automotive, 2018 - 2030

8.5.6.5.2. Brazil Silicon Carbide (SiC) semiconductor devices market, by energy & power, 2018 - 2030

8.6. MEA

8.6.1. MEA Silicon Carbide (SiC) semiconductor devices market, 2018 - 2030

8.6.2. MEA Silicon Carbide (SiC) semiconductor devices market, by component, 2018 - 2030

8.6.3. MEA Silicon Carbide (SiC) semiconductor devices market, by product, 2018 - 2030

8.6.4. MEA Silicon Carbide (SiC) semiconductor devices market, by wafer size, 2018 - 2030

8.6.5. MEA Silicon Carbide (SiC) semiconductor devices market, by end-use, 2018 - 2030

8.6.5.1. MEA Silicon Carbide (SiC) semiconductor devices market, by automotive, 2018 - 2030

8.6.5.2. MEA Silicon Carbide (SiC) semiconductor devices market, by energy & power, 2018 - 2030

8.6.6. UAE

8.6.6.1. UAE Silicon Carbide (SiC) semiconductor devices market, 2018 - 2030

8.6.6.2. UAE Silicon Carbide (SiC) semiconductor devices market, by component, 2018 - 2030

8.6.6.3. UAE Silicon Carbide (SiC) semiconductor devices market, by product, 2018 - 2030

8.6.6.4. UAE Silicon Carbide (SiC) semiconductor devices market, by wafer size, 2018 - 2030

8.6.6.5. UAE Silicon Carbide (SiC) semiconductor devices market, by end-use, 2018 - 2030

8.6.6.5.1. UAE Silicon Carbide (SiC) semiconductor devices market, by automotive, 2018 - 2030

8.6.6.5.2. UAE Silicon Carbide (SiC) semiconductor devices market, by energy & power, 2018 - 2030

## **CHAPTER 9 COMPETITIVE LANDSCAPE**

9.1. Recent Developments by Key Market Players

9.2. Company/Competition Categorization

9.3. Vendor Landscape

9.3.1. List of key distributors and channel partners

9.3.2. List of potential customers

9.4. Competitive Dashboard Analysis

## 9.5. Market Ranking of the Top Industry Participants

9.5.1. Company market share analysis, 2021

9.5.2. Company market position analysis

## 9.6. Company Profiles

9.6.1. ALLEGRO MICROSYSTEMS, INC.

9.6.1.1. Company overview

9.6.1.2. Financial performance

9.6.1.3. Product benchmarking

9.6.1.4. Strategic initiatives

9.6.2. Infineon Technologies AG

9.6.2.1. Company overview

9.6.2.2. Financial performance

9.6.2.3. Product benchmarking

9.6.2.4. Strategic initiatives

9.6.3. ROHM Co., Ltd.

9.6.3.1. Company overview

9.6.3.2. Financial performance

9.6.3.3. Product benchmarking

9.6.3.4. Strategic initiatives

9.6.4. STMicroelectronics N.V.

9.6.4.1. Company overview

9.6.4.2. Financial performance

9.6.4.3. Product benchmarking

9.6.4.4. Strategic initiatives

9.6.5. ON SEMICONDUCTOR CORPORATION (on semi)

9.6.5.1. Company overview

9.6.5.2. Financial performance

9.6.5.3. Product benchmarking

9.6.5.4. Strategic initiatives

9.6.6. WOLFSPEED, INC.

9.6.6.1. Company overview

9.6.6.2. Financial performance

9.6.6.3. Product benchmarking

9.6.6.4. Strategic initiatives

9.6.7. Gene Sic Semiconductor

9.6.7.1. Company overview

9.6.7.2. Financial performance

9.6.7.3. Product benchmarking

9.6.7.4. Strategic initiatives



- 9.6.8. TT Electronics plc.
  - 9.6.8.1. Company overview
  - 9.6.8.2. Financial performance
  - 9.6.8.3. Product benchmarking
  - 9.6.8.4. Strategic initiative
- 9.6.9. Mitsubishi Electric Corporation
  - 9.6.9.1. Company overview
  - 9.6.9.2. Financial performance
  - 9.6.9.3. Product benchmarking
  - 9.6.9.4. Strategic initiatives
- 9.6.10. Powerex Inc.
  - 9.6.10.1. Company overview
  - 9.6.10.2. Product benchmarking
- 9.6.11. Toshiba Corporation
  - 9.6.11.1. Company overview
  - 9.6.11.2. Financial performance
  - 9.6.11.3. Product benchmarking
  - 9.6.11.4. Strategic initiatives
- 9.6.12. FUJI ELECTRIC CO., LTD.
  - 9.6.12.1. Company overview
  - 9.6.12.2. Financial performance
  - 9.6.12.3. Product benchmarking
  - 9.6.12.4. Strategic initiatives



## List Of Tables

### LIST OF TABLES

TABLE 1 SiC vs GaN Comparative Analysis

TABLE 2 Geographic Mapping of Supply

TABLE 3 SiC Vs Si: Comparative analysis

TABLE 4 Silicon Carbide (SiC) semiconductor devices market, by component, 2018 - 2030 (USD Million)

TABLE 5 Silicon Carbide (SiC) semiconductor devices market, by component, 2018 - 2030 (Thousand Units)

TABLE 6 Silicon Carbide (SiC) semiconductor devices market, by Schottky diodes, 2018 - 2030 (USD Million)

TABLE 7 Silicon Carbide (SiC) semiconductor devices market, by Schottky diodes, by region, 2018 - 2030 (USD Million)

TABLE 8 Silicon Carbide (SiC) semiconductor devices market, by FET/MOSFET transistors, 2018 - 2030 (USD Million)

TABLE 9 Silicon Carbide (SiC) semiconductor devices market, by FET/MOSFET transistors, by region, 2018 - 2030 (USD Million)

TABLE 10 Silicon Carbide (SiC) semiconductor devices market, by integrated circuits, 2018 - 2030 (USD Million)

TABLE 11 Silicon Carbide (SiC) semiconductor devices market, by integrated circuits, by region, 2018 - 2030 (USD Million)

TABLE 12 Silicon Carbide (SiC) semiconductor devices market, by rectifiers/diodes, 2018 - 2030 (USD Million)

TABLE 13 Silicon Carbide (SiC) semiconductor devices market, by rectifiers/diodes, by region, 2018 - 2030 (USD Million)

TABLE 14 Silicon Carbide (SiC) semiconductor devices market, by power modules, 2018 - 2030 (USD Million)

TABLE 15 Silicon Carbide (SiC) semiconductor devices market, by power modules, by region, 2018 - 2030 (USD Million)

TABLE 16 Others Silicon Carbide (SiC) semiconductor devices market, 2018 - 2030 (USD Million)

TABLE 17 Others Silicon Carbide (SiC) semiconductor devices market, by region, 2018 - 2030 (USD Million)

TABLE 18 Silicon Carbide (SiC) semiconductor devices market, by product, 2018 - 2030 (USD Million)

TABLE 19 Silicon Carbide (SiC) semiconductor devices market, by optoelectronic devices, 2018 - 2030 (USD Million)

TABLE 20 Silicon Carbide (SiC) semiconductor devices market, by optoelectronic devices, by region, 2018 - 2030 (USD Million)

TABLE 21 Silicon Carbide (SiC) semiconductor devices market, by power semiconductors, 2018 - 2030 (USD Million)

TABLE 22 Silicon Carbide (SiC) semiconductor devices market, by power semiconductors, by region, 2018 - 2030 (USD Million)

TABLE 23 Silicon Carbide (SiC) semiconductor devices market, by frequency devices, 2018 - 2030 (USD Million)

TABLE 24 Silicon Carbide (SiC) semiconductor devices market, by frequency devices, by region, 2018 - 2030 (USD Million)

TABLE 25 Silicon Carbide (SiC) semiconductor devices market, by wafer size, 2018 - 2030 (USD Million)

TABLE 26 Silicon Carbide (SiC) semiconductor devices market, by 1 inch to 4 inches, 2018 - 2030 (USD Million)

TABLE 27 1 Silicon Carbide (SiC) semiconductor devices market, by 1 inch to 4 inches, by region, 2018 - 2030 (USD Million)

TABLE 28 Silicon Carbide (SiC) semiconductor devices market, by 6 inches, 2018 - 2030 (USD Million)

TABLE 29 Silicon Carbide (SiC) semiconductor devices market, by 6 inches, by region, 2018 - 2030 (USD Million)

TABLE 30 Silicon Carbide (SiC) semiconductor devices market, by 8 inches, 2018 - 2030 (USD Million)

TABLE 31 Silicon Carbide (SiC) semiconductor devices market, by 8 inches, by region, 2018 - 2030 (USD Million)

TABLE 32 Silicon Carbide (SiC) semiconductor devices market, by 10 inches & above, 2018 - 2030 (USD Million)

TABLE 33 Silicon Carbide (SiC) semiconductor devices market, by 10 inches & above, by region, 2018 - 2030 (USD Million)

TABLE 34 Silicon Carbide (SiC) semiconductor devices market, by end-use, 2018 - 2030 (USD Million)

TABLE 35 Silicon Carbide (SiC) semiconductor devices market, by automotive, 2018 - 2030 (USD Million)

TABLE 36 Silicon Carbide (SiC) semiconductor devices market, by automotive, by region, 2018 - 2030 (USD Million)

TABLE 37 Silicon Carbide (SiC) semiconductor devices market, by Electric Vehicles (EV), 2018 - 2030 (USD Million)

TABLE 38 Silicon Carbide (SiC) semiconductor devices market, by Electric Vehicles (EV), by region, 2018 - 2030 (USD Million)

TABLE 39 Silicon Carbide (SiC) semiconductor devices market, by IC automobiles,

2018 - 2030 (USD Million)

TABLE 40 Silicon Carbide (SiC) semiconductor devices market, by IC automobiles, by region, 2018 - 2030 (USD Million)

TABLE 41 Silicon Carbide (SiC) semiconductor devices market, by consumer electronics, 2018 - 2030 (USD Million)

TABLE 42 Silicon Carbide (SiC) semiconductor devices market, by consumer electronics, by region, 2018 - 2030 (USD Million)

TABLE 43 Silicon Carbide (SiC) semiconductor devices market, by aerospace & defense, 2018 - 2030 (USD Million)

TABLE 44 Silicon Carbide (SiC) semiconductor devices market, by aerospace & defense, by region, 2018 - 2030 (USD Million)

TABLE 45 Silicon Carbide (SiC) semiconductor devices market, by medical devices, 2018 - 2030 (USD Million)

TABLE 46 Silicon Carbide (SiC) semiconductor devices market, by medical devices, by region, 2018 - 2030 (USD Million)

TABLE 47 Silicon Carbide (SiC) semiconductor devices market, by data & communication devices, 2018 - 2030 (USD Million)

TABLE 48 Silicon Carbide (SiC) semiconductor devices market, by data & communication devices, by region, 2018 - 2030 (USD Million)

TABLE 49 Silicon Carbide (SiC) semiconductor devices market, by energy & power, 2018 - 2030 (USD Million)

TABLE 50 Silicon Carbide (SiC) semiconductor devices market, by energy & power, by region, 2018 - 2030 (USD Million)

TABLE 51 Silicon Carbide (SiC) semiconductor devices market, by Electric Vehicle (EV) infrastructure, 2018 - 2030 (USD Million)

TABLE 52 Silicon Carbide (SiC) semiconductor devices market, by Electric Vehicle (EV) infrastructure, by region, 2018 - 2030 (USD Million)

TABLE 53 Silicon Carbide (SiC) semiconductor devices market, by power distribution & utilities, 2018 - 2030 (USD Million)

TABLE 54 Silicon Carbide (SiC) semiconductor devices market, by power distribution & utilities, by region, 2018 - 2030 (USD Million)

TABLE 55 Others Silicon Carbide (SiC) semiconductor devices market, 2018 - 2030 (USD Million)

TABLE 56 Others Silicon Carbide (SiC) semiconductor devices market, by region, 2018 - 2030 (USD Million)

TABLE 57 Global Silicon Carbide (SiC) semiconductor devices market, 2018 - 2030 (USD Million)

TABLE 58 Global Silicon Carbide (SiC) semiconductor devices market, by region, 2018 - 2030 (USD Million)

TABLE 59 North America Silicon Carbide (SiC) semiconductor devices market, 2018 - 2030 (USD Million)

TABLE 60 North America Silicon Carbide (SiC) semiconductor devices market, by component, 2018 - 2030 (USD Million)

TABLE 61 North America Silicon Carbide (SiC) semiconductor devices market, by product, 2018 - 2030 (USD Million)

TABLE 62 North America Silicon Carbide (SiC) semiconductor devices market, by wafer size, 2018 - 2030 (USD Million)

TABLE 63 North America Silicon Carbide (SiC) semiconductor devices market, by end-use, 2018 - 2030 (USD Million)

TABLE 64 North America Silicon Carbide (SiC) semiconductor devices market, by automotive, 2018 - 2030 (USD Million)

TABLE 65 North America Silicon Carbide (SiC) semiconductor devices market, by energy & power, 2018 - 2030 (USD Million)

TABLE 66 U.S. Silicon Carbide (SiC) semiconductor devices market, 2018 - 2030 (USD Million)

TABLE 67 U.S. Silicon Carbide (SiC) semiconductor devices market, by component, 2018 - 2030 (USD Million)

TABLE 68 U.S. Silicon Carbide (SiC) semiconductor devices market, by product, 2018 - 2030 (USD Million)

TABLE 69 U.S. Silicon Carbide (SiC) semiconductor devices market, by wafer size, 2018 - 2030 (USD Million)

TABLE 70 U.S. Silicon Carbide (SiC) semiconductor devices market, by end-use, 2018 - 2030 (USD Million)

TABLE 71 U.S. Silicon Carbide (SiC) semiconductor devices market, by automotive, 2018 - 2030 (USD Million)

TABLE 72 U.S. Silicon Carbide (SiC) semiconductor devices market, by energy & power, 2018 - 2030 (USD Million)

TABLE 73 Canada Silicon Carbide (SiC) semiconductor devices market, 2018 - 2030 (USD Million)

TABLE 74 Canada Silicon Carbide (SiC) semiconductor devices market, by component, 2018 - 2030 (USD Million)

TABLE 75 Canada Silicon Carbide (SiC) semiconductor devices market, by product, 2018 - 2030 (USD Million)

TABLE 76 Canada Silicon Carbide (SiC) semiconductor devices market, by wafer size, 2018 - 2030 (USD Million)

TABLE 77 Canada Silicon Carbide (SiC) semiconductor devices market, by end-use, 2018 - 2030 (USD Million)

TABLE 78 Canada Silicon Carbide (SiC) semiconductor devices market, by automotive,

2018 - 2030 (USD Million)

TABLE 79 Canada Silicon Carbide (SiC) semiconductor devices market, by energy & power, 2018 - 2030 (USD Million)

TABLE 80 Europe Silicon Carbide (SiC) semiconductor devices market, 2018 - 2030 (USD Million)

TABLE 81 Europe Silicon Carbide (SiC) semiconductor devices market, by component, 2018 - 2030 (USD Million)

TABLE 82 Europe Silicon Carbide (SiC) semiconductor devices market, by product, 2018 - 2030 (USD Million)

TABLE 83 Europe Silicon Carbide (SiC) semiconductor devices market, by wafer size, 2018 - 2030 (USD Million)

TABLE 84 Europe Silicon Carbide (SiC) semiconductor devices market, by end-use, 2018 - 2030 (USD Million)

TABLE 85 Europe Silicon Carbide (SiC) semiconductor devices market, by automotive, 2018 - 2030 (USD Million)

TABLE 86 Europe Silicon Carbide (SiC) semiconductor devices market, by energy & power, 2018 - 2030 (USD Million)

TABLE 87 U.K. Silicon Carbide (SiC) semiconductor devices market, 2018 - 2030 (USD Million)

TABLE 88 U.K. Silicon Carbide (SiC) semiconductor devices market, by component, 2018 - 2030 (USD Million)

TABLE 89 U.K. Silicon Carbide (SiC) semiconductor devices market, by product, 2018 - 2030 (USD Million)

TABLE 90 U.K. Silicon Carbide (SiC) semiconductor devices market, by wafer size, 2018 - 2030 (USD Million)

TABLE 91 U.K. Silicon Carbide (SiC) semiconductor devices market, by end-use, 2018 - 2030 (USD Million)

TABLE 92 U.K. Silicon Carbide (SiC) semiconductor devices market, by automotive, 2018 - 2030 (USD Million)

TABLE 93 U.K. Silicon Carbide (SiC) semiconductor devices market, by energy & power, 2018 - 2030 (USD Million)

TABLE 94 Germany Silicon Carbide (SiC) semiconductor devices market, 2018 - 2030 (USD Million)

TABLE 95 Germany Silicon Carbide (SiC) semiconductor devices market, by component, 2018 - 2030 (USD Million)

TABLE 96 Germany Silicon Carbide (SiC) semiconductor devices market, by product, 2018 - 2030 (USD Million)

TABLE 97 Germany Silicon Carbide (SiC) semiconductor devices market, by wafer size, 2018 - 2030 (USD Million)



TABLE 98 Germany Silicon Carbide (SiC) semiconductor devices market, by end-use, 2018 - 2030 (USD Million)

TABLE 99 Germany Silicon Carbide (SiC) semiconductor devices market, by automotive, 2018 - 2030 (USD Million)

TABLE 100 Germany Silicon Carbide (SiC) semiconductor devices market, by energy & power, 2018 - 2030 (USD Million)

TABLE 101 France Silicon Carbide (SiC) semiconductor devices market, 2018 - 2030 (USD Million)

TABLE 102 France Silicon Carbide (SiC) semiconductor devices market, by component, 2018 - 2030 (USD Million)

TABLE 103 France Silicon Carbide (SiC) semiconductor devices market, by product, 2018 - 2030 (USD Million)

TABLE 104 France Silicon Carbide (SiC) semiconductor devices market, by wafer size, 2018 - 2030 (USD Million)

TABLE 105 France Silicon Carbide (SiC) semiconductor devices market, by end-use, 2018 - 2030 (USD Million)

TABLE 106 France Silicon Carbide (SiC) semiconductor devices market, by automotive, 2018 - 2030 (USD Million)

TABLE 107 France Silicon Carbide (SiC) semiconductor devices market, by energy & power, 2018 - 2030 (USD Million)

TABLE 108 Belgium Silicon Carbide (SiC) semiconductor devices market, 2018 - 2030 (USD Million)

TABLE 109 Belgium Silicon Carbide (SiC) semiconductor devices market, by component, 2018 - 2030 (USD Million)

TABLE 110 Belgium Silicon Carbide (SiC) semiconductor devices market, by product, 2018 - 2030 (USD Million)

TABLE 111 Belgium Silicon Carbide (SiC) semiconductor devices market, by wafer size, 2018 - 2030 (USD Million)

TABLE 112 Belgium Silicon Carbide (SiC) semiconductor devices market, by end-use, 2018 - 2030 (USD Million)

TABLE 113 Belgium Silicon Carbide (SiC) semiconductor devices market, by automotive, 2018 - 2030 (USD Million)

TABLE 114 Belgium Silicon Carbide (SiC) semiconductor devices market, by energy & power, 2018 - 2030 (USD Million)

TABLE 115 Asia Pacific Silicon Carbide (SiC) semiconductor devices market, 2018 - 2030 (USD Million)

TABLE 116 Asia Pacific Silicon Carbide (SiC) semiconductor devices market, by component, 2018 - 2030 (USD Million)

TABLE 117 Asia Pacific Silicon Carbide (SiC) semiconductor devices market, by

product, 2018 - 2030 (USD Million)

TABLE 118 Asia Pacific Silicon Carbide (SiC) semiconductor devices market, by wafer size, 2018 - 2030 (USD Million)

TABLE 119 Asia Pacific Silicon Carbide (SiC) semiconductor devices market, by end-use, 2018 - 2030 (USD Million)

TABLE 120 Asia Pacific Silicon Carbide (SiC) semiconductor devices market, by automotive, 2018 - 2030 (USD Million)

TABLE 121 Asia Pacific Silicon Carbide (SiC) semiconductor devices market, by energy & power, 2018 - 2030 (USD Million)

TABLE 122 China Silicon Carbide (SiC) semiconductor devices market, 2018 - 2030 (USD Million)

TABLE 123 China Silicon Carbide (SiC) semiconductor devices market, by component, 2018 - 2030 (USD Million)

TABLE 124 China Silicon Carbide (SiC) semiconductor devices market, by product, 2018 - 2030 (USD Million)

TABLE 125 China Silicon Carbide (SiC) semiconductor devices market, by wafer size, 2018 - 2030 (USD Million)

TABLE 126 China Silicon Carbide (SiC) semiconductor devices market, by end-use, 2018 - 2030 (USD Million)

TABLE 127 China Silicon Carbide (SiC) semiconductor devices market, by automotive, 2018 - 2030 (USD Million)

TABLE 128 China Silicon Carbide (SiC) semiconductor devices market, by energy & power, 2018 - 2030 (USD Million)

TABLE 129 India Silicon Carbide (SiC) semiconductor devices market, 2018 - 2030 (USD Million)

TABLE 130 India Silicon Carbide (SiC) semiconductor devices market, by component, 2018 - 2030 (USD Million)

TABLE 131 India Silicon Carbide (SiC) semiconductor devices market, by product, 2018 - 2030 (USD Million)

TABLE 132 India Silicon Carbide (SiC) semiconductor devices market, by wafer size, 2018 - 2030 (USD Million)

TABLE 133 India Silicon Carbide (SiC) semiconductor devices market, by end-use, 2018 - 2030 (USD Million)

TABLE 134 India Silicon Carbide (SiC) semiconductor devices market, by automotive, 2018 - 2030 (USD Million)

TABLE 135 India Silicon Carbide (SiC) semiconductor devices market, by energy & power, 2018 - 2030 (USD Million)

TABLE 136 Taiwan Silicon Carbide (SiC) semiconductor devices market, 2018 - 2030 (USD Million)



- TABLE 137 Taiwan Silicon Carbide (SiC) semiconductor devices market, by component, 2018 - 2030 (USD Million)
- TABLE 138 Taiwan Silicon Carbide (SiC) semiconductor devices market, by product, 2018 - 2030 (USD Million)
- TABLE 139 Taiwan Silicon Carbide (SiC) semiconductor devices market, by wafer size, 2018 - 2030 (USD Million)
- TABLE 140 Taiwan Silicon Carbide (SiC) semiconductor devices market, by end-use, 2018 - 2030 (USD Million)
- TABLE 141 Taiwan Silicon Carbide (SiC) semiconductor devices market, by automotive, 2018 - 2030 (USD Million)
- TABLE 142 Taiwan Silicon Carbide (SiC) semiconductor devices market, by energy & power, 2018 - 2030 (USD Million)
- TABLE 143 Southeast Asia Silicon Carbide (SiC) semiconductor devices market, 2018 - 2030 (USD Million)
- TABLE 144 Southeast Asia Silicon Carbide (SiC) semiconductor devices market, by component, 2018 - 2030 (USD Million)
- TABLE 145 Southeast Asia Silicon Carbide (SiC) semiconductor devices market, by product, 2018 - 2030 (USD Million)
- TABLE 146 Southeast Asia Silicon Carbide (SiC) semiconductor devices market, by wafer size, 2018 - 2030 (USD Million)
- TABLE 147 Southeast Asia Silicon Carbide (SiC) semiconductor devices market, by end-use, 2018 - 2030 (USD Million)
- TABLE 148 Southeast Asia Silicon Carbide (SiC) semiconductor devices market, by automotive, 2018 - 2030 (USD Million)
- TABLE 149 Southeast Asia Silicon Carbide (SiC) semiconductor devices market, by energy & power, 2018 - 2030 (USD Million)
- TABLE 150 Latin America Silicon Carbide (SiC) semiconductor devices market, 2018 - 2030 (USD Million)
- TABLE 151 Latin America Silicon Carbide (SiC) semiconductor devices market, by component, 2018 - 2030 (USD Million)
- TABLE 152 Latin America Silicon Carbide (SiC) semiconductor devices market, by product, 2018 - 2030 (USD Million)
- TABLE 153 Latin America Silicon Carbide (SiC) semiconductor devices market, by wafer size, 2018 - 2030 (USD Million)
- TABLE 154 Latin America Silicon Carbide (SiC) semiconductor devices market, by end-use, 2018 - 2030 (USD Million)
- TABLE 155 Latin America Silicon Carbide (SiC) semiconductor devices market, by automotive, 2018 - 2030 (USD Million)
- TABLE 156 Latin America Silicon Carbide (SiC) semiconductor devices market, by

energy & power, 2018 - 2030 (USD Million)

TABLE 157 Brazil Silicon Carbide (SiC) semiconductor devices market, 2018 - 2030 (USD Million)

TABLE 158 Brazil Silicon Carbide (SiC) semiconductor devices market, by component, 2018 - 2030 (USD Million)

TABLE 159 Brazil Silicon Carbide (SiC) semiconductor devices market, by product, 2018 - 2030 (USD Million)

TABLE 160 Brazil Silicon Carbide (SiC) semiconductor devices market, by wafer size, 2018 - 2030 (USD Million)

TABLE 161 Brazil Silicon Carbide (SiC) semiconductor devices market, by end-use, 2018 - 2030 (USD Million)

TABLE 162 Brazil Silicon Carbide (SiC) semiconductor devices market, by automotive, 2018 - 2030 (USD Million)

TABLE 163 Brazil Silicon Carbide (SiC) semiconductor devices market, by energy & power, 2018 - 2030 (USD Million)

TABLE 164 MEA Silicon Carbide (SiC) semiconductor devices market, 2018 - 2030 (USD Million)

TABLE 165 MEA Silicon Carbide (SiC) semiconductor devices market, by component, 2018 - 2030 (USD Million)

TABLE 166 MEA Silicon Carbide (SiC) semiconductor devices market, by product, 2018 - 2030 (USD Million)

TABLE 167 MEA Silicon Carbide (SiC) semiconductor devices market, by wafer size, 2018 - 2030 (USD Million)

TABLE 168 MEA Silicon Carbide (SiC) semiconductor devices market, by end-use, 2018 - 2030 (USD Million)

TABLE 169 MEA Silicon Carbide (SiC) semiconductor devices market, by automotive, 2018 - 2030 (USD Million)

TABLE 170 MEA Silicon Carbide (SiC) semiconductor devices market, by energy & power, 2018 - 2030 (USD Million)

TABLE 171 UAE Silicon Carbide (SiC) semiconductor devices market, 2018 - 2030 (USD Million)

TABLE 172 UAE Silicon Carbide (SiC) semiconductor devices market, by component, 2018 - 2030 (USD Million)

TABLE 173 UAE Silicon Carbide (SiC) semiconductor devices market, by product, 2018 - 2030 (USD Million)

TABLE 174 UAE Silicon Carbide (SiC) semiconductor devices market, by wafer size, 2018 - 2030 (USD Million)

TABLE 175 UAE Silicon Carbide (SiC) semiconductor devices market, by end-use, 2018 - 2030 (USD Million)

TABLE 176 UAE Silicon Carbide (SiC) semiconductor devices market, by automotive, 2018 - 2030 (USD Million)

TABLE 177 UAE Silicon Carbide (SiC) semiconductor devices market, by energy & power, 2018 - 2030 (USD Million)

TABLE 178 List of key distributors and channel partners

TABLE 179 List of potential customers

## List Of Figures

### LIST OF FIGURES

- FIG. 1 Market snapshot, 2021
- FIG. 2 Segment snapshot
- FIG. 3 Segment snapshot
- FIG. 4 Competitive landscape snapshot
- FIG. 5 Market segmentation and scope
- FIG. 6 Global Semiconductor Market Share by Country (2020)
- FIG. 7 Global Semiconductor Device Shipments 2017 - 2021 (Billion Units)
- FIG. 8 Global Semiconductor Device Market Share by Product (2021)
- FIG. 9 Key opportunities prioritized
- FIG. 10 Silicon Carbide (SiC) semiconductor devices market - Porter's five forces analysis
- FIG. 11 Cost component breakup/share
- FIG. 12 Silicon carbide (SiC) semiconductor devices market - Market dynamics
- FIG. 13 SiC semiconductor device application in power electronics, 2021
- FIG. 14 Silicon Carbide (SiC) semiconductor devices market - Key market driver impact
- FIG. 15 Average R&D spending intensity, as a percentage of sales, worldwide, 2020
- FIG. 16 SiC Vs Si: Comparative analysis
- FIG. 17 Projected revenue for silicon carbide power devices (USD Billion)
- FIG. 18 Demand for SiC semiconductor devices in various fields, as a percentage of the total, 2021
- FIG. 19 Global EV market demand for 6-inch SiC wafers, 2020 - 2023F (in Ten Thousand)
- FIG. 20 Silicon Carbide (SiC) semiconductor devices market - Key market challenge impact
- FIG. 21 Silicon Carbide (SiC) semiconductor devices market - Key market opportunity impact
- FIG. 22 SiC investments correlation with China's EV production, 2016 - 2021
- FIG. 23 Silicon carbide (SiC) semiconductor devices market - Porter's five forces analysis
- FIG. 24 Silicon carbide (SiC) semiconductor devices market - Macro-economic environment analysis
- FIG. 25 Silicon Carbide (SiC) semiconductor devices market, by component, 2021
- FIG. 26 Silicon Carbide (SiC) semiconductor devices market, by product, 2021
- FIG. 27 Silicon Carbide (SiC) semiconductor devices market, by wafer size, 2021
- FIG. 28 Silicon Carbide (SiC) semiconductor devices market, by end-use, 2021

- FIG. 29 Silicon Carbide (SiC) semiconductor devices market, by region, 2021
- FIG. 30 Silicon Carbide (SiC) semiconductor devices market - Regional takeaways
- FIG. 31 North America Silicon Carbide (SiC) semiconductor devices market - Key takeaways
- FIG. 32 Europe Silicon Carbide (SiC) semiconductor devices market - Key takeaways
- FIG. 33 Asia Pacific Silicon Carbide (SiC) semiconductor devices market - Key takeaways
- FIG. 34 Latin America Silicon Carbide (SiC) semiconductor devices market - Key takeaways
- FIG. 35 MEA Silicon Carbide (SiC) semiconductor devices market - Key takeaways
- FIG. 36 Silicon Carbide (SiC) semiconductor devices market - Company categorization
- FIG. 37 Silicon Carbide (SiC) semiconductor devices market - Competitive dashboard analysis
- FIG. 38 Silicon Carbide (SiC) semiconductor devices market - Company market share analysis, 2021
- FIG. 39 Silicon Carbide (SiC) semiconductor devices market - Company market position analysis, 2021

## I would like to order

Product name: Silicon Carbide Semiconductor Devices Market Size, Share, & Trends Analysis Report By Component, By Product, By Wafer Size, By End-use, By Region, And Segment Forecasts, 2022 - 2030

Product link: <https://marketpublishers.com/r/SB6DD90AF607EN.html>

Price: US\$ 4,950.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/SB6DD90AF607EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:  
Last name:  
Email:  
Company:  
Address:  
City:  
Zip code:  
Country:  
Tel:  
Fax:  
Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below

and fax the completed form to +44 20 7900 3970