

Global Power SiC Component Market Growth 2023-2029

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Abstracts

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According to our LPI (LP Information) latest study, the global Power SiC Component market size was valued at US\$ 2045.5 million in 2022. With growing demand in downstream market and recovery from influence of COVID-19 and the Russia-Ukraine War, the Power SiC Component is forecast to a readjusted size of US\$ 13630 million by 2029 with a CAGR of 31.1% during review period.

The research report highlights the growth potential of the global Power SiC Component market. With recovery from influence of COVID-19 and the Russia-Ukraine War, Power SiC Component are expected to show stable growth in the future market. However, product differentiation, reducing costs, and supply chain optimization remain crucial for the widespread adoption of Power SiC Component. Market players need to invest in research and development, forge strategic partnerships, and align their offerings with evolving consumer preferences to capitalize on the immense opportunities presented by the Power SiC Component market.

This report studies the SiC Based Power Electronics, key segments cover SiC MOSFET, SiC Schottky Barrier Diodes (SBDs), SiC FETs, SiC JFETs etc.

The key players of SiC MOSFET modules are STMicroelectronics, Infineon, Wolfspeed, Rohm, Onsemi, BYD Semiconductor, Microchip (Microsemi), Mitsubishi Electric (Vincotech) and Semikron Danfoss, etc. The top three players hold a share over 70 percent. The key players of SiC MOSFET Discrete are STMicroelectronics, Infineon, Wolfspeed, Rohm, and CETC 55, etc. The top five players hold a share over 80 percent. The key players of SiC SBD are STMicroelectronics, Infineon, Wolfspeed,



Rohm, onsemi, Microchip (Microsemi), and San'an Optoelectronics, etc. The top five players hold a share over 70 percent.

Key Features:

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

Market Size and Growth: The research report provide an overview of the current size and growth of the Power SiC Component market. It may include historical data, market segmentation by Type (e.g., SiC MOSFET Module, SiC MOSFET Discrete), and regional breakdowns.

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

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

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

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

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



the effectiveness of these policies in driving market growth.

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

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

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

Market Segmentation:

Power SiC Component 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.

Segmentation by type

SiC MOSFET Module

SiC MOSFET Discrete

SiC Diode (SiC SBD)

Others (SiC JFETs & FETs)

Segmentation by application

Automotive & EV/HEV

EV Charging

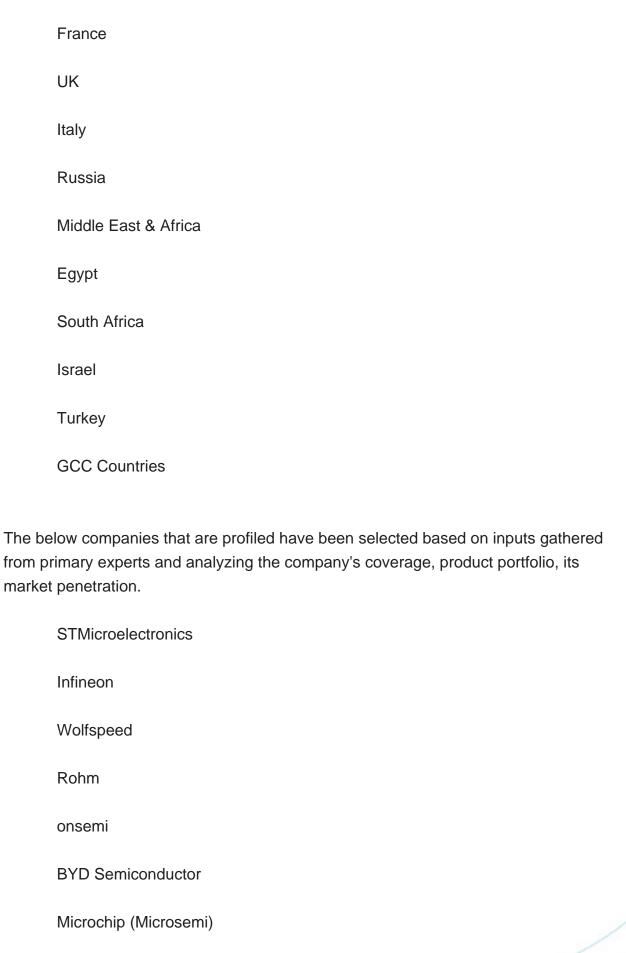
Industrial Motor/Drive



This

PV, Energy Storage, Wind Power
UPS, Data Center & Server
Rail Transport
Others
report also splits the market by region:
Americas
United States
Canada
Mexico
Brazil
APAC
China
Japan
Korea
Southeast Asia
India
Australia
Europe
Germany







Mitsubishi Electric (Vincotech)
Semikron Danfoss
Fuji Electric
Navitas (GeneSiC)
Toshiba
Qorvo (UnitedSiC)
San'an Optoelectronics
Littelfuse (IXYS)
CETC 55
WeEn Semiconductors
BASiC Semiconductor
SemiQ
Diodes Incorporated
SanRex
Alpha & Omega Semiconductor
Bosch
GE Aerospace
KEC Corporation
PANJIT Group



Nexperia

Vishay Intertechnology

Zhuzhou CRRC Times Electric

China Resources Microelectronics Limited

StarPower

Yangzhou Yangjie Electronic Technology

Guangdong AccoPower Semiconductor

Changzhou Galaxy Century Microelectronics

Hangzhou Silan Microelectronics

Cissoid

Key Questions Addressed in this Report

What is the 10-year outlook for the global Power SiC Component market?

What factors are driving Power SiC Component market growth, globally and by region?

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

How do Power SiC Component market opportunities vary by end market size?

How does Power SiC Component break out type, application?

What are the influences of COVID-19 and Russia-Ukraine war?



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