

Global Silicon Carbide MOSFET Module Market Growth 2023-2029

<https://marketpublishers.com/r/G71CE5A26869EN.html>

Date: February 2023

Pages: 103

Price: US\$ 3,660.00 (Single User License)

ID: G71CE5A26869EN

Abstracts

The report requires updating with new data and is sent in 48 hours after order is placed.

Silicon carbide MOSFET has the characteristics of low on-off resistance and small switch loss, which can reduce device loss and improve system efficiency. It is more suitable for high frequency circuit.

It is widely used in new energy vehicle motor controller, on-board power supply, solar inverter, charging pile, UPS, PFC power supply and other fields.

This report investigates the market for SiC MOSFET chips and devices and SiC MOSFET modules.

LPI (LP Information)' newest research report, the "Silicon Carbide MOSFET Module Industry Forecast" looks at past sales and reviews total world Silicon Carbide MOSFET Module sales in 2022, providing a comprehensive analysis by region and market sector of projected Silicon Carbide MOSFET Module sales for 2023 through 2029. With Silicon Carbide MOSFET Module sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Silicon Carbide MOSFET Module industry.

This Insight Report provides a comprehensive analysis of the global Silicon Carbide MOSFET Module landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Silicon Carbide MOSFET Module portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique

position in an accelerating global Silicon Carbide MOSFET Module market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Silicon Carbide MOSFET Module and breaks down the forecast by type, by application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Silicon Carbide MOSFET Module.

The global Silicon Carbide MOSFET Module market size is projected to grow from US\$ 514.3 million in 2022 to US\$ 1603.1 million in 2029; it is expected to grow at a CAGR of 1603.1 from 2023 to 2029.

From a global perspective, China is the largest production region, and the main production enterprises are also concentrated in this region, such as Infineon Technologies, ON Semiconductor, STMicroelectronics etc. The total output value of China in 2019 is 222.31 million USD, accounting for 62.14% of the world, followed by Japan. The main manufacturers in this area include ROHM and Mitsubishi Electric, etc.

In the report, there are two mainly types of SiC MOSFET Chips/Devices and Module, including SiC MOSFET Chips/Devices and SiC MOSFET Module. And SiC MOSFET Chips/Devices is the main type for SiC MOSFET Chips/Devices and Module

This report presents a comprehensive overview, market shares, and growth opportunities of Silicon Carbide MOSFET Module market by product type, application, key manufacturers and key regions and countries.

Market Segmentation:

Segmentation by type

Full Silicon Carbide Modules

Hybrid Silicon Carbide Modules

Segmentation by application

Industrial

Automotive

Medical

Aerospace and Defense

Other Applications

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analyzing the company's coverage, product portfolio, its market penetration.

STMicroelectronics

ROHM CO.,LTD.

Starpower

Wolfspeed

Infineon Technologies

ON Semiconductor

Littelfuse

Microchip

Mitsubishi Electric

GeneSiC Semiconductor Inc.

Shenzhen BASiC Semiconductor LTD

Imperix

Key Questions Addressed in this Report

What is the 10-year outlook for the global Silicon Carbide MOSFET Module market?

What factors are driving Silicon Carbide MOSFET Module market growth, globally and by region?

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

How do Silicon Carbide MOSFET Module market opportunities vary by end market size?

How does Silicon Carbide MOSFET Module break out type, application?

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

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