

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

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Abstracts

A SiC power module is a power module that uses a Silicon Carbide semiconductor as switches. A Silicon Carbide power module is used to transform electrical power, which is the product of current and voltage with high conversion efficiency.

According to our (Global Info Research) latest study, the global SiC Power Modules market size was valued at USD 409.8 million in 2022 and is forecast to a readjusted size of USD 2288.1 million by 2029 with a CAGR of 27.8% during review period. The influence of COVID-19 and the Russia-Ukraine War were considered while estimating market sizes.

Global key players of SiC power modules include Infineon, Rohm Semiconductor, etc. Global top 3 companies hold a share about 60%. Europe is the largest market, with a share about 35%, followed by North America and Japan with the share about 25% and 15%. In terms of product, hybrid SiC module is the largest segment, with a share over 50%. And in terms of application, the largest application is automotive, with a share about 40%.

This report is a detailed and comprehensive analysis for global SiC Power Modules market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2023, are provided.

Key Features:

Global SiC Power Modules market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2018-2029

Global SiC Power Modules market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2018-2029

Global SiC Power Modules market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2018-2029

Global SiC Power Modules market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2018-2023

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for SiC Power Modules

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global SiC Power Modules market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Infineon, Rohm Semiconductor, Mitsubishi Electric, STMicroelectronics and Fuji Electric, etc.

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

Market Segmentation

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. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Hybrid SiC Modules

Full SiC Modules

Market segment by Application

Photovoltaics

Automotive

Industrial

Others

Major players covered

Infineon

Rohm Semiconductor

Mitsubishi Electric

STMicroelectronics

Fuji Electric

Microchip

Wolfspeed

ON Semiconductor

Semikron

Danfoss

Toshiba

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 SiC Power Modules product scope, market overview, market estimation caveats and base year.

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

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

Chapter 4, the 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 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 SiC Power Modules.

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

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