

Semiconductor Silicon Carbide (SiC) Power Devices Market, Global Outlook and Forecast 2022-2028

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Abstracts

Silicon Carbide (SiC) devices have emerged as the most viable candidate for next-generation, low-loss semiconductors due to its low ON resistance and superior high-temperature, high-frequency, and high-voltage performance when compared to silicon.

This report contains market size and forecasts of Semiconductor Silicon Carbide (SiC) Power Devices in global, including the following market information:

Global Semiconductor Silicon Carbide (SiC) Power Devices Market Revenue, 2017-2022, 2023-2028, (\$ millions)

Global Semiconductor Silicon Carbide (SiC) Power Devices Market Sales, 2017-2022, 2023-2028, (K Units)

Global top five Semiconductor Silicon Carbide (SiC) Power Devices companies in 2021 (%)

The global Semiconductor Silicon Carbide (SiC) Power Devices market was valued at million in 2021 and is projected to reach US\$ million by 2028, at a CAGR of % during the forecast period 2022-2028.

The U.S. Market is Estimated at \$ Million in 2021, While China is Forecast to Reach \$ Million by 2028.

Diodes Segment to Reach \$ Million by 2028, with a % CAGR in next six years.

The global key manufacturers of Semiconductor Silicon Carbide (SiC) Power Devices

include Cree (Wolfspeed), II-VI Advanced Materials, ROHM (Sicystal), Norstel, SICC Co., Ltd., Showa Denko, TankeBlue Semiconductor, SK Siltron and Synlight, etc. In 2021, the global top five players have a share approximately % in terms of revenue.

MARKET MONITOR GLOBAL, INC (MMG) has surveyed the Semiconductor Silicon Carbide (SiC) Power Devices manufacturers, suppliers, distributors and industry experts on this industry, involving the sales, revenue, demand, price change, product type, recent development and plan, industry trends, drivers, challenges, obstacles, and potential risks.

Total Market by Segment:

Global Semiconductor Silicon Carbide (SiC) Power Devices Market, by Type, 2017-2022, 2023-2028 (\$ Millions) & (K Units)

Global Semiconductor Silicon Carbide (SiC) Power Devices Market Segment Percentages, by Type, 2021 (%)

Diodes

Modules

Transistors

Other

Global Semiconductor Silicon Carbide (SiC) Power Devices Market, by Application, 2017-2022, 2023-2028 (\$ Millions) & (K Units)

Global Semiconductor Silicon Carbide (SiC) Power Devices Market Segment Percentages, by Application, 2021 (%)

EV and HEVs

PV Inverters

UPS

Other

Global Semiconductor Silicon Carbide (SiC) Power Devices Market, By Region and Country, 2017-2022, 2023-2028 (\$ Millions) & (K Units)

Global Semiconductor Silicon Carbide (SiC) Power Devices Market Segment Percentages, By Region and Country, 2021 (%)

North America

US

Canada

Mexico

Europe

Germany

France

U.K.

Italy

Russia

Nordic Countries

Benelux

Rest of Europe

Asia

China

Japan

South Korea

Southeast Asia

India

Rest of Asia

South America

Brazil

Argentina

Rest of South America

Middle East & Africa

Turkey

Israel

Saudi Arabia

UAE

Rest of Middle East & Africa

Competitor Analysis

The report also provides analysis of leading market participants including:

Key companies Semiconductor Silicon Carbide (SiC) Power Devices revenues in global market, 2017-2022 (Estimated), (\$ millions)

Key companies Semiconductor Silicon Carbide (SiC) Power Devices revenues share in

global market, 2021 (%)

Key companies Semiconductor Silicon Carbide (SiC) Power Devices sales in global market, 2017-2022 (Estimated), (K Units)

Key companies Semiconductor Silicon Carbide (SiC) Power Devices sales share in global market, 2021 (%)

Further, the report presents profiles of competitors in the market, key players include:

Cree (Wolfspeed)

II-VI Advanced Materials

ROHM (Sicystal)

Norstel

SICC Co., Ltd.

Showa Denko

TankeBlue Semiconductor

SK Siltron

Synlight

CENGOL

Epiworld international

TYSiC

Mitsubishi Electric

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