

Automotive-grade SiC Power Device Market, Global Outlook and Forecast 2022-2028

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Abstracts

Silicon carbide (SiC) in electric vehicles brings more efficiency, higher power density and performance. For 800 V battery system and large battery capacity, silicon carbide leads to higher efficiency in inverters and thus enables longer ranges or lower battery costs.

This report contains market size and forecasts of Automotive-grade SiC Power Device in global, including the following market information:

Global Automotive-grade SiC Power Device Market Revenue, 2017-2022, 2023-2028, (\$ millions)

Global Automotive-grade SiC Power Device Market Sales, 2017-2022, 2023-2028, (K Units)

Global top five Automotive-grade SiC Power Device companies in 2021 (%)

The global Automotive-grade SiC Power Device market was valued at million in 2021 and is projected to reach US\$ million by 2028, at a CAGR of % during the forecast period.

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

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

The global key manufacturers of Automotive-grade SiC Power Device include

STMicroelectronics, ROHM CO. LTD., Starnpower, Wolfspeed, Infineon Technologies, ON Semiconductor, Littelfuse, Microchip and Mitsubishi Electric, etc. In 2021, the global top five players have a share approximately % in terms of revenue.

MARKET MONITOR GLOBAL, INC (MMG) has surveyed the Automotive-grade SiC Power Device 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 Automotive-grade SiC Power Device Market, by Type, 2017-2022, 2023-2028 (\$ Millions) & (K Units)

Global Automotive-grade SiC Power Device Market Segment Percentages, by Type, 2021 (%)

MOSFET

SBD

Diodes

Global Automotive-grade SiC Power Device Market, by Application, 2017-2022, 2023-2028 (\$ Millions) & (K Units)

Global Automotive-grade SiC Power Device Market Segment Percentages, by Application, 2021 (%)

DC/DC Converter

On Board Charger

Inverter

Other Applications

Global Automotive-grade SiC Power Device Market, By Region and Country,
2017-2022, 2023-2028 (\$ Millions) & (K Units)

Global Automotive-grade SiC Power Device 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 Automotive-grade SiC Power Device revenues in global market, 2017-2022 (Estimated), (\$ millions)

Key companies Automotive-grade SiC Power Device revenues share in global market, 2021 (%)

Key companies Automotive-grade SiC Power Device sales in global market, 2017-2022

(Estimated), (K Units)

Key companies Automotive-grade SiC Power Device sales share in global market, 2021 (%)

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

STMicroelectronics

ROHM CO. LTD.

Starpower

Wolfspeed

Infineon Technologies

ON Semiconductor

Littelfuse

Microchip

Mitsubishi Electric

GeneSiC Semiconductor Inc.

Shenzhen BASiC Semiconductor LTD

Imperix

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