

# Global Silicon Carbide Schottky Rectifiers Supply, Demand and Key Producers, 2023-2029

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## Abstracts

The global Silicon Carbide Schottky Rectifiers market size is expected to reach \$ million by 2029, rising at a market growth of % CAGR during the forecast period (2023-2029).

The silicon carbide Schottky rectifier is a power electronic device, which is made of silicon carbide material compared with the traditional silicon material Schottky diode. The main advantages of silicon carbide materials are higher breakdown electric field strength and thermal conductivity, as well as lower on-resistance and reverse recovery time, making silicon carbide Schottky diodes have lower switching losses, higher switching speed and higher operating temperature. Due to these advantages of SiC Schottky diodes, they are widely used in power conversion systems with high efficiency, high power density, and high temperature environment, such as motor drives, electric vehicles, solar inverters, industrial frequency converters, etc. Silicon carbide Schottky diodes can also be used to replace traditional silicon PN junction diodes to improve power supply efficiency and reduce power supply volume and weight.

This report studies the global Silicon Carbide Schottky Rectifiers production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Silicon Carbide Schottky Rectifiers, and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2022 as the base year. This report explores demand trends and competition, as well as details the characteristics of Silicon Carbide Schottky Rectifiers that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Silicon Carbide Schottky Rectifiers total production and demand, 2018-2029, (K Units)

Global Silicon Carbide Schottky Rectifiers total production value, 2018-2029, (USD Million)

Global Silicon Carbide Schottky Rectifiers production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global Silicon Carbide Schottky Rectifiers consumption by region & country, CAGR, 2018-2029 & (K Units)

U.S. VS China: Silicon Carbide Schottky Rectifiers domestic production, consumption, key domestic manufacturers and share

Global Silicon Carbide Schottky Rectifiers production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (K Units)

Global Silicon Carbide Schottky Rectifiers production by Type, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global Silicon Carbide Schottky Rectifiers production by Application production, value, CAGR, 2018-2029, (USD Million) & (K Units)

This reports profiles key players in the global Silicon Carbide Schottky Rectifiers 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 Bruckewell, Central Semiconductor Corp, Comchip Technology, Diodes Incorporated, GeneSiC Semiconductor, Global Power Technology-GPT, Infineon Technologies, Inventchip and Littelfuse Inc., etc.

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

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Silicon Carbide Schottky Rectifiers market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2018-2029 by year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the forecast year.

#### Global Silicon Carbide Schottky Rectifiers Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

#### Global Silicon Carbide Schottky Rectifiers Market, Segmentation by Type

Surface Mount

Through Hole Mounting

#### Global Silicon Carbide Schottky Rectifiers Market, Segmentation by Application

Electronic

Automobile

Energy

Industrial

Other

Companies Profiled:

Bruckewell

Central Semiconductor Corp

Comchip Technology

Diodes Incorporated

GeneSiC Semiconductor

Global Power Technology-GPT

Infineon Technologies

Inventchip

Littelfuse Inc.

Micro Commercial Co

Microchip Technology

Microsemi Corporation

onsemi

Panjit International Inc.

Power Integrations

Renesas Electronics America Inc

Rohm Semiconductor

Sanken

SemiQ

SMC Diode Solutions

STMicroelectronics

Toshiba Semiconductor and Storage

UnitedSiC

Vishay

WeEn Semiconductors

Wolfspeed, Inc.

**ANBON SEMICONDUCTOR (INTL) LIMITED**

## Key Questions Answered

1. How big is the global Silicon Carbide Schottky Rectifiers market?
2. What is the demand of the global Silicon Carbide Schottky Rectifiers market?
3. What is the year over year growth of the global Silicon Carbide Schottky Rectifiers market?
4. What is the production and production value of the global Silicon Carbide Schottky Rectifiers market?
5. Who are the key producers in the global Silicon Carbide Schottky Rectifiers market?
6. What are the growth factors driving the market demand?

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