

# Global Silicon Carbide (SiC) Inverters Supply, Demand and Key Producers, 2023-2029

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## Abstracts

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

Inverters are a critical part of the electric vehicle (EV) drivetrain. Put simply, their role is to convert a direct current (DC) supplied by the onboard battery in three separate phases; into an alternating current (AC) for the vehicle's traction motor, back into DC to enable regenerative braking and, finally, to control motor speed when the accelerator is depressed. Without these inverters, EVs would not be able to function at all.

This report studies the global Silicon Carbide (SiC) Inverters production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Silicon Carbide (SiC) Inverters, 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 (SiC) Inverters that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Silicon Carbide (SiC) Inverters total production and demand, 2018-2029, (Units)

Global Silicon Carbide (SiC) Inverters total production value, 2018-2029, (USD Million)

Global Silicon Carbide (SiC) Inverters production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (Units)

Global Silicon Carbide (SiC) Inverters consumption by region & country, CAGR, 2018-2029 & (Units)

U.S. VS China: Silicon Carbide (SiC) Inverters domestic production, consumption, key domestic manufacturers and share

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

Global Silicon Carbide (SiC) Inverters production by Type, production, value, CAGR, 2018-2029, (USD Million) & (Units)

Global Silicon Carbide (SiC) Inverters production by Application production, value, CAGR, 2018-2029, (USD Million) & (Units).

This reports profiles key players in the global Silicon Carbide (SiC) Inverters 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 BorgWarner, Vitesco Technologies, Denso, Bosch, Eaton, McLaren Applied, ZF, Mitsubishi Electric and Valeo, 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 (SiC) Inverters market.

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (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 (SiC) Inverters Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

#### Global Silicon Carbide (SiC) Inverters Market, Segmentation by Type

800V SiC Inverter

400V SiC Inverter

#### Global Silicon Carbide (SiC) Inverters Market, Segmentation by Application

BEV

HEV/PHEV

Commercial Vehicles

Rail Traffic

#### Companies Profiled:

BorgWarner

Vitesco Technologies

Denso

Bosch

Eaton

McLaren Applied

ZF

Mitsubishi Electric

Valeo

Toyota Industries

Marelli

Hitachi Astemo

Delphi Technologies

LG Magna

Continental

Karma Automotive

Equipmake

## Key Questions Answered

1. How big is the global Silicon Carbide (SiC) Inverters market?
2. What is the demand of the global Silicon Carbide (SiC) Inverters market?
3. What is the year over year growth of the global Silicon Carbide (SiC) Inverters

market?

4. What is the production and production value of the global Silicon Carbide (SiC) Inverters market?
5. Who are the key producers in the global Silicon Carbide (SiC) Inverters market?
6. What are the growth factors driving the market demand?

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