

Global SiC Wafer for Electric Vehicle Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

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Abstracts

According to our (Global Info Research) latest study, the global SiC Wafer for Electric Vehicle market size was valued at US\$ 114 million in 2024 and is forecast to a readjusted size of USD 188 million by 2031 with a CAGR of 7.5% during review period.

Wafer is the abbreviation of semiconductor crystal circular chip, the most common is silicon wafer, and there are gallium nitride wafer, silicon carbide wafer, etc; Generally, the output of wafers is mostly monocrystalline silicon wafers.

Global EV sales continued strong. A total of 10.5 million new BEVs and PHEVs were delivered during 2022, an increase of +55 % compared to 2021. China and Europe emerged as the main drivers of strong growth in global EV sales. In 2022, the production and sales of new energy vehicles in China reach 7.0 million and 6.8 million respectively, a year-on-year increase of 96.9% and 93.4%, with a market share of 25.6%. The production and sales of new energy vehicles have ranked first in the world for eight consecutive years. Among them, the sales volume of pure electric vehicles was 5.365 million, a year-on-year increase of 81.6%. In 2022, sales of pure electric vehicles in Europe will increase by 29% year-on-year to 1.58 million.

This report is a detailed and comprehensive analysis for global SiC Wafer for Electric Vehicle 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 2025, are provided.

Key Features:

Global SiC Wafer for Electric Vehicle market size and forecasts, in consumption value (\$ Million), sales quantity (K Pcs), and average selling prices (US\$/Pcs), 2020-2031

Global SiC Wafer for Electric Vehicle market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Pcs), and average selling prices (US\$/Pcs), 2020-2031

Global SiC Wafer for Electric Vehicle market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Pcs), and average selling prices (US\$/Pcs), 2020-2031

Global SiC Wafer for Electric Vehicle market shares of main players, shipments in revenue (\$ Million), sales quantity (K Pcs), and ASP (US\$/Pcs), 2020-2025

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 Wafer for Electric Vehicle

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

To forecast future factors affecting the marketplace

This report profiles key players in the global SiC Wafer for Electric Vehicle market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Wolfspeed, SK Siltron, SiCrystal, II-VI Advanced Materials, Showa Denko, STMicroelectronics (Norstel AB), TankeBlue Semiconductor, SICC, Hebei Synlight Semiconductor, CETC, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

SiC Wafer for Electric Vehicle market is split by Type and by Application. For the period 2020-2031, 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

4 Inch

6 Inch

8 Inch

Market segment by Application

BEV

HEV

Major players covered

Wolfspeed

SK Siltron

SiCrystal

II-VI Advanced Materials

Showa Denko

STMicroelectronics (Norstel AB)

TankeBlue Semiconductor

SICC

Hebei Synlight Semiconductor

CETC

Hypersics Semiconductor

Sanan IC

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 Wafer for Electric Vehicle product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of SiC Wafer for Electric Vehicle, with price, sales quantity, revenue, and global market share of SiC Wafer for Electric Vehicle from 2020 to 2025.

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

Chapter 4, the SiC Wafer for Electric Vehicle breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2020 to 2031.

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 2020 to 2025. and SiC Wafer for Electric Vehicle market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of SiC Wafer for Electric Vehicle.

Chapter 14 and 15, to describe SiC Wafer for Electric Vehicle sales channel, distributors, customers, research findings and conclusion.

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