

Global Silicon Anode Materials Supply, Demand and Key Producers, 2023-2029

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Abstracts

The global Silicon Anode Materials market size is expected to reach \$ 4463.7 million by 2029, rising at a market growth of 40.1% CAGR during the forecast period (2023-2029).

Global key silicon anode material manufacturers include BTR, Shin-Etsu Chemical and Daejoo Electronic Materials. The top three suppliers accounted for 90% of global market share. The global origins are mainly located in China, Japan and South Korea, etc., of which China is the largest production area, holding about 54% of the market share. In terms of product, SiO/C is the largest segment, with a share about 66%. And in terms of application, the largest application is automotive, with a share about 85%.

Silicon has been recognized as a one of the most promising anode materials to replace currently used graphite in the anodes of Li-ion batteries due to its high gravimetric theoretical lithium storage capacity. Fast charging is feasible due to the high porosity inherent to silicon anode solutions, while costs can be reduced because of silicon materials' high capacity, which results in lower material requirements. Silicon anodes are also considered safer because they help reduce the risk of lithium plating and dendrite formation, even though cycle and calendar life may need to be further demonstrated.

This report studies the global Silicon Anode Materials production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Silicon Anode Materials, 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 Anode Materials that

contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Silicon Anode Materials total production and demand, 2018-2029, (Tonnes)

Global Silicon Anode Materials total production value, 2018-2029, (USD Million)

Global Silicon Anode Materials production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (Tonnes)

Global Silicon Anode Materials consumption by region & country, CAGR, 2018-2029 & (Tonnes)

U.S. VS China: Silicon Anode Materials domestic production, consumption, key domestic manufacturers and share

Global Silicon Anode Materials production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (Tonnes)

Global Silicon Anode Materials production by Type, production, value, CAGR, 2018-2029, (USD Million) & (Tonnes)

Global Silicon Anode Materials production by Application production, value, CAGR, 2018-2029, (USD Million) & (Tonnes)

This reports profiles key players in the global Silicon Anode Materials 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 BTR, Shin-Etsu Chemical, Daejoo Electronic Materials, Shanshan Corporation, Jiangxi Zhengtuo Energy, Posco Chemical, Showa Denko, Chengdu Guibao and Shida Shenghua, 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 Anode Materials market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Tonnes) and average price (US\$/Ton) 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 Anode Materials Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Silicon Anode Materials Market, Segmentation by Type

SiO/C

Si/C

Global Silicon Anode Materials Market, Segmentation by Application

Automotive

Consumer Electronics

Power Tools

Others

Companies Profiled:

BTR

Shin-Etsu Chemical

Daejoo Electronic Materials

Shanshan Corporation

Jiangxi Zhengtuo Energy

Posco Chemical

Showa Denko

Chengdu Guibao

Shida Shenghua

Shanghai Putailai (Jiangxi Zichen)

Hunan Zhongke Electric (Shinzoom)

Shenzhen XFH

iAmetal

IOPSILION

Guoxuan High-Tech

Group14

Nexeon

Key Questions Answered

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

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