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Global Sodium-Ion Battery Hard Carbon Market Growth 2026-2032

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Abstracts

The global Sodium-Ion Battery Hard Carbon market size is predicted to grow from US$ 665 million in 2025 to US$ 2769 million in 2032; it is expected to grow at a CAGR of 22.6% from 2026 to 2032.

In 2025, global Sodium-Ion Battery Hard Carbon production reached approximately 68 thousand tons, with an average global market price of around USD 10000 per ton.

The gross profit margin of major companies in the industry was approximately 25%–42%.

In 2025, global production capacity of Sodium-Ion Battery Hard Carbon was approximately 88 thousand tons.

Sodium-Ion Battery Hard Carbon is a non-graphitizable carbon anode material designed for reversible sodium-ion storage in sodium-ion batteries. It is typically produced by carbonizing biomass, resins, pitch, polymers, or other carbon-rich precursors under controlled conditions to form disordered carbon structures with suitable interlayer spacing and micropores. Key performance parameters include reversible capacity, initial coulombic efficiency, rate capability, cycle life, particle size, pore structure, and impurity control.

The industrial chain of Sodium-Ion Battery Hard Carbon includes upstream biomass, resin, pitch, polymer precursors, additives, process gases, and carbonization equipment; midstream covers precursor treatment, crushing, carbonization, purification, coating, classification, heat treatment, testing, and packaging; downstream applications mainly include sodium-ion battery cells, energy storage systems, low-speed electric

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vehicles, backup power systems, industrial batteries, and stationary storage.

United States market for Sodium-Ion Battery Hard Carbon is estimated to increase from US$ million in 2025 to US$ million by 2032, at a CAGR of % from 2026 through 2032.

China market for Sodium-Ion Battery Hard Carbon is estimated to increase from US$ million in 2025 to US$ million by 2032, at a CAGR of % from 2026 through 2032.

Europe market for Sodium-Ion Battery Hard Carbon is estimated to increase from US$ million in 2025 to US$ million by 2032, at a CAGR of % from 2026 through 2032.

Global key Sodium-Ion Battery Hard Carbon players cover Kuraray Co., Ltd., Kureha Corporation, JFE Chemical Corporation, Sumitomo Bakelite Co., Ltd., Resonac Holdings Corporation, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2025.

Report Scope

LP Information, Inc. (LPI) ' newest research report, the “Sodium-Ion Battery Hard Carbon Industry Forecast” looks at past sales and reviews total world Sodium-Ion Battery Hard Carbon sales in 2025, providing a comprehensive analysis by region and market sector of projected Sodium-Ion Battery Hard Carbon sales for 2026 through 2032. With Sodium-Ion Battery Hard Carbon sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US$ millions of the world Sodium-Ion Battery Hard Carbon industry.

This Insight Report provides a comprehensive analysis of the global Sodium-Ion Battery Hard Carbon landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Sodium-Ion Battery Hard Carbon portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms’ unique position in an accelerating global Sodium-Ion Battery Hard Carbon market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Sodium-Ion Battery Hard Carbon and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced

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view of the current state and future trajectory in the global Sodium-Ion Battery Hard Carbon.

This report presents a comprehensive overview, market shares, and growth opportunities of Sodium-Ion Battery Hard Carbon market by product type, application, key manufacturers and key regions and countries.

Market Segmentation

Segmentation by Type:

Biomass-derived Hard Carbon

Resin-derived Hard Carbon

Pitch and Polymer-derived Hard Carbon

Segmentation by Particle Configuration:

Uncoated Hard Carbon

Carbon-coated Hard Carbon

Doped and Composite Hard Carbon

Segmentation by Reversible Specific Capacity:

Standard-capacity??300 mAh/g?

High-capacity??300–350 mAh/g?

Ultra-high-capacity??350 mAh/g?

Segmentation by Application:

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High-energy Sodium-ion Batteries

High-power Sodium-ion Batteries

Long-life and Low-temperature Sodium-ion Batteries

Other

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

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France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

Kuraray Co., Ltd.

Kureha Corporation

JFE Chemical Corporation

Sumitomo Bakelite Co., Ltd.

Resonac Holdings Corporation

POSCO Future M Co., Ltd.

Arkema S.A.

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BTR New Material Group Co., Ltd.

Shanshan Technology Co., Ltd.

Jiangxi Zichen Technology Co., Ltd.

Chengdu Baisige Technology Co., Ltd.

Shengquan Group Co., Ltd.

HiNa Battery Technology Co., Ltd.

Shenzhen XFH Technology Co., Ltd.

Guangdong Dowstone Technology Co., Ltd.

Key Questions Addressed in this Report

What is the 10-year outlook for the global Sodium-Ion Battery Hard Carbon market?

What factors are driving Sodium-Ion Battery Hard Carbon market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Sodium-Ion Battery Hard Carbon market opportunities vary by end market size?

How does Sodium-Ion Battery Hard Carbon break out by Type, by Application?

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