

# Global Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Market Growth 2026-2032

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## Abstracts

The global Hard Carbon Anodes for Sodium Ion Batteries (NIBs) market size is predicted to grow from US\$ 59.3 million in 2025 to US\$ 438 million in 2032; it is expected to grow at a CAGR of 33.7% from 2026 to 2032.

Hard carbon anodes are a crucial component in the development of sodium-ion batteries (NIBs), which are emerging as an alternative to lithium-ion batteries (LIBs) due to the abundance and low cost of sodium compared to lithium. Hard carbon, a non-graphitizable carbon material, is one of the most promising anode materials for NIBs due to its favorable electrochemical properties.

United States market for Hard Carbon Anodes for Sodium Ion Batteries (NIBs) 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 Hard Carbon Anodes for Sodium Ion Batteries (NIBs) 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 Hard Carbon Anodes for Sodium Ion Batteries (NIBs) is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Global key Hard Carbon Anodes for Sodium Ion Batteries (NIBs) players cover Kuraray, JFE Chemical, Kureha, Sumitomo, Stora Enso, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2025.

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

This Insight Report provides a comprehensive analysis of the global Hard Carbon Anodes for Sodium Ion Batteries (NIBs) 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 Hard Carbon Anodes for Sodium Ion Batteries (NIBs) portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Hard Carbon Anodes for Sodium Ion Batteries (NIBs) market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Hard Carbon Anodes for Sodium Ion Batteries (NIBs) 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 view of the current state and future trajectory in the global Hard Carbon Anodes for Sodium Ion Batteries (NIBs).

This report presents a comprehensive overview, market shares, and growth opportunities of Hard Carbon Anodes for Sodium Ion Batteries (NIBs) market by product type, application, key manufacturers and key regions and countries.

#### Segmentation by Type:

Biomass-derived Hard Carbon

Polymer-derived Hard Carbon

Carbon-based Alloy Hard Carbon

Other

### Segmentation by Application:

Industrial Energy Storage

Electric Vehicles

Uninterruptible Power Supply (UPS)

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

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

JFE Chemical

Kureha

Sumitomo

Stora Enso

Indigenous Energy

Shengquan Group

HiNa Battery Technology

Best Graphite

BTR

EnerG2

#### Key Questions Addressed in this Report

What is the 10-year outlook for the global Hard Carbon Anodes for Sodium Ion Batteries (NIBs) market?

What factors are driving Hard Carbon Anodes for Sodium Ion Batteries (NIBs) market growth, globally and by region?

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

How do Hard Carbon Anodes for Sodium Ion Batteries (NIBs) market opportunities vary by end market size?

How does Hard Carbon Anodes for Sodium Ion Batteries (NIBs) break out by Type, by Application?

## Contents

### 1 SCOPE OF THE REPORT

- 1.1 Market Introduction
- 1.2 Years Considered
- 1.3 Research Objectives
- 1.4 Market Research Methodology
- 1.5 Research Process and Data Source
- 1.6 Economic Indicators
- 1.7 Currency Considered
- 1.8 Market Estimation Caveats

### 2 EXECUTIVE SUMMARY

#### 2.1 World Market Overview

2.1.1 Global Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Annual Sales 2021-2032

2.1.2 World Current & Future Analysis for Hard Carbon Anodes for Sodium Ion Batteries (NIBs) by Geographic Region, 2021, 2025 & 2032

2.1.3 World Current & Future Analysis for Hard Carbon Anodes for Sodium Ion Batteries (NIBs) by Country/Region, 2021, 2025 & 2032

#### 2.2 Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Segment by Type

2.2.1 Biomass-derived Hard Carbon

2.2.2 Polymer-derived Hard Carbon

2.2.3 Carbon-based Alloy Hard Carbon

2.2.4 Other

2.2.5 Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Sales by Type

2.2.5.1 Global Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Sales Market Share by Type (2021-2026)

2.2.5.2 Global Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Revenue and Market Share by Type (2021-2026)

2.2.5.3 Global Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Sale Price by Type (2021-2026)

#### 2.3 Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Segment by Application

2.3.1 Industrial Energy Storage

2.3.2 Electric Vehicles

2.3.3 Uninterruptible Power Supply (UPS)

2.3.4 Other

- 2.3.5 Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Sales by Application
  - 2.3.5.1 Global Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Sale Market Share by Application (2021-2026)
  - 2.3.5.2 Global Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Revenue and Market Share by Application (2021-2026)
  - 2.3.5.3 Global Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Sale Price by Application (2021-2026)

### **3 GLOBAL BY COMPANY**

- 3.1 Global Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Breakdown Data by Company
  - 3.1.1 Global Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Annual Sales by Company (2021-2026)
  - 3.1.2 Global Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Sales Market Share by Company (2021-2026)
- 3.2 Global Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Annual Revenue by Company (2021-2026)
  - 3.2.1 Global Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Revenue by Company (2021-2026)
  - 3.2.2 Global Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Revenue Market Share by Company (2021-2026)
- 3.3 Global Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Sale Price by Company
- 3.4 Key Manufacturers Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Producing Area Distribution, Sales Area, Product Type
  - 3.4.1 Key Manufacturers Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Product Location Distribution
  - 3.4.2 Players Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Products Offered
- 3.5 Market Concentration Rate Analysis
  - 3.5.1 Competition Landscape Analysis
  - 3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2024-2026)
- 3.6 New Products and Potential Entrants
- 3.7 Market M&A Activity & Strategy

### **4 WORLD HISTORIC REVIEW FOR HARD CARBON ANODES FOR SODIUM ION BATTERIES (NIBS) BY GEOGRAPHIC REGION**

- 4.1 World Historic Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Market Size by

## Geographic Region (2021-2026)

4.1.1 Global Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Annual Sales by Geographic Region (2021-2026)

4.1.2 Global Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Annual Revenue by Geographic Region (2021-2026)

4.2 World Historic Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Market Size by Country/Region (2021-2026)

4.2.1 Global Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Annual Sales by Country/Region (2021-2026)

4.2.2 Global Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Annual Revenue by Country/Region (2021-2026)

4.3 Americas Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Sales Growth

4.4 APAC Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Sales Growth

4.5 Europe Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Sales Growth

4.6 Middle East & Africa Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Sales Growth

## 5 AMERICAS

5.1 Americas Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Sales by Country

5.1.1 Americas Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Sales by Country (2021-2026)

5.1.2 Americas Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Revenue by Country (2021-2026)

5.2 Americas Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Sales by Type (2021-2026)

5.3 Americas Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Sales by Application (2021-2026)

5.4 United States

5.5 Canada

5.6 Mexico

5.7 Brazil

## 6 APAC

6.1 APAC Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Sales by Region

6.1.1 APAC Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Sales by Region (2021-2026)

6.1.2 APAC Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Revenue by Region

(2021-2026)

6.2 APAC Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Sales by Type

(2021-2026)

6.3 APAC Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Sales by Application

(2021-2026)

6.4 China

6.5 Japan

6.6 South Korea

6.7 Southeast Asia

6.8 India

6.9 Australia

6.10 China Taiwan

## **7 EUROPE**

7.1 Europe Hard Carbon Anodes for Sodium Ion Batteries (NIBs) by Country

7.1.1 Europe Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Sales by Country  
(2021-2026)

7.1.2 Europe Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Revenue by  
Country (2021-2026)

7.2 Europe Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Sales by Type  
(2021-2026)

7.3 Europe Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Sales by Application  
(2021-2026)

7.4 Germany

7.5 France

7.6 UK

7.7 Italy

7.8 Russia

## **8 MIDDLE EAST & AFRICA**

8.1 Middle East & Africa Hard Carbon Anodes for Sodium Ion Batteries (NIBs) by  
Country

8.1.1 Middle East & Africa Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Sales  
by Country (2021-2026)

8.1.2 Middle East & Africa Hard Carbon Anodes for Sodium Ion Batteries (NIBs)  
Revenue by Country (2021-2026)

8.2 Middle East & Africa Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Sales by

Type (2021-2026)

8.3 Middle East & Africa Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Sales by Application (2021-2026)

8.4 Egypt

8.5 South Africa

8.6 Israel

8.7 Turkey

8.8 GCC Countries

## **9 MARKET DRIVERS, CHALLENGES AND TRENDS**

9.1 Market Drivers & Growth Opportunities

9.2 Market Challenges & Risks

9.3 Industry Trends

## **10 MANUFACTURING COST STRUCTURE ANALYSIS**

10.1 Raw Material and Suppliers

10.2 Manufacturing Cost Structure Analysis of Hard Carbon Anodes for Sodium Ion Batteries (NIBs)

10.3 Manufacturing Process Analysis of Hard Carbon Anodes for Sodium Ion Batteries (NIBs)

10.4 Industry Chain Structure of Hard Carbon Anodes for Sodium Ion Batteries (NIBs)

## **11 MARKETING, DISTRIBUTORS AND CUSTOMER**

11.1 Sales Channel

11.1.1 Direct Channels

11.1.2 Indirect Channels

11.2 Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Distributors

11.3 Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Customer

## **12 WORLD FORECAST REVIEW FOR HARD CARBON ANODES FOR SODIUM ION BATTERIES (NIBS) BY GEOGRAPHIC REGION**

12.1 Global Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Market Size Forecast by Region

12.1.1 Global Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Forecast by Region (2027-2032)

12.1.2 Global Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Annual Revenue Forecast by Region (2027-2032)

12.2 Americas Forecast by Country (2027-2032)

12.3 APAC Forecast by Region (2027-2032)

12.4 Europe Forecast by Country (2027-2032)

12.5 Middle East & Africa Forecast by Country (2027-2032)

12.6 Global Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Forecast by Type (2027-2032)

12.7 Global Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Forecast by Application (2027-2032)

## **13 KEY PLAYERS ANALYSIS**

### **13.1 Kuraray**

13.1.1 Kuraray Company Information

13.1.2 Kuraray Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Product Portfolios and Specifications

13.1.3 Kuraray Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Sales, Revenue, Price and Gross Margin (2021-2026)

13.1.4 Kuraray Main Business Overview

13.1.5 Kuraray Latest Developments

### **13.2 JFE Chemical**

13.2.1 JFE Chemical Company Information

13.2.2 JFE Chemical Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Product Portfolios and Specifications

13.2.3 JFE Chemical Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Sales, Revenue, Price and Gross Margin (2021-2026)

13.2.4 JFE Chemical Main Business Overview

13.2.5 JFE Chemical Latest Developments

### **13.3 Kureha**

13.3.1 Kureha Company Information

13.3.2 Kureha Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Product Portfolios and Specifications

13.3.3 Kureha Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Sales, Revenue, Price and Gross Margin (2021-2026)

13.3.4 Kureha Main Business Overview

13.3.5 Kureha Latest Developments

### **13.4 Sumitomo**

13.4.1 Sumitomo Company Information

- 13.4.2 Sumitomo Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Product Portfolios and Specifications
- 13.4.3 Sumitomo Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Sales, Revenue, Price and Gross Margin (2021-2026)
- 13.4.4 Sumitomo Main Business Overview
- 13.4.5 Sumitomo Latest Developments
- 13.5 Stora Enso
  - 13.5.1 Stora Enso Company Information
  - 13.5.2 Stora Enso Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Product Portfolios and Specifications
  - 13.5.3 Stora Enso Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Sales, Revenue, Price and Gross Margin (2021-2026)
  - 13.5.4 Stora Enso Main Business Overview
  - 13.5.5 Stora Enso Latest Developments
- 13.6 Indigenous Energy
  - 13.6.1 Indigenous Energy Company Information
  - 13.6.2 Indigenous Energy Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Product Portfolios and Specifications
  - 13.6.3 Indigenous Energy Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Sales, Revenue, Price and Gross Margin (2021-2026)
  - 13.6.4 Indigenous Energy Main Business Overview
  - 13.6.5 Indigenous Energy Latest Developments
- 13.7 Shengquan Group
  - 13.7.1 Shengquan Group Company Information
  - 13.7.2 Shengquan Group Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Product Portfolios and Specifications
  - 13.7.3 Shengquan Group Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Sales, Revenue, Price and Gross Margin (2021-2026)
  - 13.7.4 Shengquan Group Main Business Overview
  - 13.7.5 Shengquan Group Latest Developments
- 13.8 HiNa Battery Technology
  - 13.8.1 HiNa Battery Technology Company Information
  - 13.8.2 HiNa Battery Technology Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Product Portfolios and Specifications
  - 13.8.3 HiNa Battery Technology Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Sales, Revenue, Price and Gross Margin (2021-2026)
  - 13.8.4 HiNa Battery Technology Main Business Overview
  - 13.8.5 HiNa Battery Technology Latest Developments
- 13.9 Best Graphite

- 13.9.1 Best Graphite Company Information
- 13.9.2 Best Graphite Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Product Portfolios and Specifications
- 13.9.3 Best Graphite Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Sales, Revenue, Price and Gross Margin (2021-2026)
- 13.9.4 Best Graphite Main Business Overview
- 13.9.5 Best Graphite Latest Developments
- 13.10 BTR
  - 13.10.1 BTR Company Information
  - 13.10.2 BTR Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Product Portfolios and Specifications
  - 13.10.3 BTR Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Sales, Revenue, Price and Gross Margin (2021-2026)
  - 13.10.4 BTR Main Business Overview
  - 13.10.5 BTR Latest Developments
- 13.11 EnerG2
  - 13.11.1 EnerG2 Company Information
  - 13.11.2 EnerG2 Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Product Portfolios and Specifications
  - 13.11.3 EnerG2 Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Sales, Revenue, Price and Gross Margin (2021-2026)
  - 13.11.4 EnerG2 Main Business Overview
  - 13.11.5 EnerG2 Latest Developments

## **14 RESEARCH FINDINGS AND CONCLUSION**

## List Of Tables

### LIST OF TABLES

- Table 1. Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Annual Sales CAGR by Geographic Region (2021, 2025 & 2032) & (\$ millions)
- Table 2. Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Annual Sales CAGR by Country/Region (2021, 2025 & 2032) & (\$ millions)
- Table 3. Major Players of Biomass-derived Hard Carbon
- Table 4. Major Players of Polymer-derived Hard Carbon
- Table 5. Major Players of Carbon-based Alloy Hard Carbon
- Table 6. Major Players of Other
- Table 7. Global Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Sales by Type (2021-2026) & (kg)
- Table 8. Global Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Sales Market Share by Type (2021-2026)
- Table 9. Global Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Revenue by Type (2021-2026) & (\$ million)
- Table 10. Global Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Revenue Market Share by Type (2021-2026)
- Table 11. Global Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Sale Price by Type (2021-2026) & (US\$/kg)
- Table 12. Global Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Sale by Application (2021-2026) & (kg)
- Table 13. Global Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Sale Market Share by Application (2021-2026)
- Table 14. Global Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Revenue by Application (2021-2026) & (\$ million)
- Table 15. Global Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Revenue Market Share by Application (2021-2026)
- Table 16. Global Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Sale Price by Application (2021-2026) & (US\$/kg)
- Table 17. Global Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Sales by Company (2021-2026) & (kg)
- Table 18. Global Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Sales Market Share by Company (2021-2026)
- Table 19. Global Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Revenue by Company (2021-2026) & (\$ millions)
- Table 20. Global Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Revenue Market

## Share by Company (2021-2026)

Table 21. Global Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Sale Price by Company (2021-2026) & (US\$/kg)

Table 22. Key Manufacturers Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Producing Area Distribution and Sales Area

Table 23. Players Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Products Offered

Table 24. Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Concentration Ratio (CR3, CR5 and CR10) & (2024-2026)

Table 25. New Products and Potential Entrants

Table 26. Market M&A Activity & Strategy

Table 27. Global Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Sales by Geographic Region (2021-2026) & (kg)

Table 28. Global Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Sales Market Share Geographic Region (2021-2026)

Table 29. Global Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Revenue by Geographic Region (2021-2026) & (\$ millions)

Table 30. Global Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Revenue Market Share by Geographic Region (2021-2026)

Table 31. Global Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Sales by Country/Region (2021-2026) & (kg)

Table 32. Global Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Sales Market Share by Country/Region (2021-2026)

Table 33. Global Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Revenue by Country/Region (2021-2026) & (\$ millions)

Table 34. Global Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Revenue Market Share by Country/Region (2021-2026)

Table 35. Americas Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Sales by Country (2021-2026) & (kg)

Table 36. Americas Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Sales Market Share by Country (2021-2026)

Table 37. Americas Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Revenue by Country (2021-2026) & (\$ millions)

Table 38. Americas Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Sales by Type (2021-2026) & (kg)

Table 39. Americas Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Sales by Application (2021-2026) & (kg)

Table 40. APAC Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Sales by Region (2021-2026) & (kg)

Table 41. APAC Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Sales Market Share by Region (2021-2026)

Table 42. APAC Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Revenue by Region (2021-2026) & (\$ millions)

Table 43. APAC Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Sales by Type (2021-2026) & (kg)

Table 44. APAC Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Sales by Application (2021-2026) & (kg)

Table 45. Europe Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Sales by Country (2021-2026) & (kg)

Table 46. Europe Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Revenue by Country (2021-2026) & (\$ millions)

Table 47. Europe Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Sales by Type (2021-2026) & (kg)

Table 48. Europe Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Sales by Application (2021-2026) & (kg)

Table 49. Middle East & Africa Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Sales by Country (2021-2026) & (kg)

Table 50. Middle East & Africa Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Revenue Market Share by Country (2021-2026)

Table 51. Middle East & Africa Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Sales by Type (2021-2026) & (kg)

Table 52. Middle East & Africa Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Sales by Application (2021-2026) & (kg)

Table 53. Key Market Drivers & Growth Opportunities of Hard Carbon Anodes for Sodium Ion Batteries (NIBs)

Table 54. Key Market Challenges & Risks of Hard Carbon Anodes for Sodium Ion Batteries (NIBs)

Table 55. Key Industry Trends of Hard Carbon Anodes for Sodium Ion Batteries (NIBs)

Table 56. Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Raw Material

Table 57. Key Suppliers of Raw Materials

Table 58. Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Distributors List

Table 59. Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Customer List

Table 60. Global Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Sales Forecast by Region (2027-2032) & (kg)

Table 61. Global Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Revenue Forecast by Region (2027-2032) & (\$ millions)

Table 62. Americas Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Sales Forecast by Country (2027-2032) & (kg)

Table 63. Americas Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Annual Revenue Forecast by Country (2027-2032) & (\$ millions)

Table 64. APAC Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Sales Forecast by Region (2027-2032) & (kg)

Table 65. APAC Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Annual Revenue Forecast by Region (2027-2032) & (\$ millions)

Table 66. Europe Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Sales Forecast by Country (2027-2032) & (kg)

Table 67. Europe Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Revenue Forecast by Country (2027-2032) & (\$ millions)

Table 68. Middle East & Africa Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Sales Forecast by Country (2027-2032) & (kg)

Table 69. Middle East & Africa Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Revenue Forecast by Country (2027-2032) & (\$ millions)

Table 70. Global Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Sales Forecast by Type (2027-2032) & (kg)

Table 71. Global Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Revenue Forecast by Type (2027-2032) & (\$ millions)

Table 72. Global Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Sales Forecast by Application (2027-2032) & (kg)

Table 73. Global Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Revenue Forecast by Application (2027-2032) & (\$ millions)

Table 74. Kuraray Basic Information, Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Manufacturing Base, Sales Area and Its Competitors

Table 75. Kuraray Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Product Portfolios and Specifications

Table 76. Kuraray Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Sales (kg), Revenue (\$ Million), Price (US\$/kg) and Gross Margin (2021-2026)

Table 77. Kuraray Main Business

Table 78. Kuraray Latest Developments

Table 79. JFE Chemical Basic Information, Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Manufacturing Base, Sales Area and Its Competitors

Table 80. JFE Chemical Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Product Portfolios and Specifications

Table 81. JFE Chemical Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Sales (kg), Revenue (\$ Million), Price (US\$/kg) and Gross Margin (2021-2026)

Table 82. JFE Chemical Main Business

Table 83. JFE Chemical Latest Developments

Table 84. Kureha Basic Information, Hard Carbon Anodes for Sodium Ion Batteries

(NIBs) Manufacturing Base, Sales Area and Its Competitors

Table 85. Kureha Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Product Portfolios and Specifications

Table 86. Kureha Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Sales (kg), Revenue (\$ Million), Price (US\$/kg) and Gross Margin (2021-2026)

Table 87. Kureha Main Business

Table 88. Kureha Latest Developments

Table 89. Sumitomo Basic Information, Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Manufacturing Base, Sales Area and Its Competitors

Table 90. Sumitomo Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Product Portfolios and Specifications

Table 91. Sumitomo Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Sales (kg), Revenue (\$ Million), Price (US\$/kg) and Gross Margin (2021-2026)

Table 92. Sumitomo Main Business

Table 93. Sumitomo Latest Developments

Table 94. Stora Enso Basic Information, Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Manufacturing Base, Sales Area and Its Competitors

Table 95. Stora Enso Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Product Portfolios and Specifications

Table 96. Stora Enso Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Sales (kg), Revenue (\$ Million), Price (US\$/kg) and Gross Margin (2021-2026)

Table 97. Stora Enso Main Business

Table 98. Stora Enso Latest Developments

Table 99. Indigenous Energy Basic Information, Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Manufacturing Base, Sales Area and Its Competitors

Table 100. Indigenous Energy Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Product Portfolios and Specifications

Table 101. Indigenous Energy Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Sales (kg), Revenue (\$ Million), Price (US\$/kg) and Gross Margin (2021-2026)

Table 102. Indigenous Energy Main Business

Table 103. Indigenous Energy Latest Developments

Table 104. Shengquan Group Basic Information, Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Manufacturing Base, Sales Area and Its Competitors

Table 105. Shengquan Group Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Product Portfolios and Specifications

Table 106. Shengquan Group Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Sales (kg), Revenue (\$ Million), Price (US\$/kg) and Gross Margin (2021-2026)

Table 107. Shengquan Group Main Business

Table 108. Shengquan Group Latest Developments

Table 109. HiNa Battery Technology Basic Information, Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Manufacturing Base, Sales Area and Its Competitors

Table 110. HiNa Battery Technology Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Product Portfolios and Specifications

Table 111. HiNa Battery Technology Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Sales (kg), Revenue (\$ Million), Price (US\$/kg) and Gross Margin (2021-2026)

Table 112. HiNa Battery Technology Main Business

Table 113. HiNa Battery Technology Latest Developments

Table 114. Best Graphite Basic Information, Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Manufacturing Base, Sales Area and Its Competitors

Table 115. Best Graphite Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Product Portfolios and Specifications

Table 116. Best Graphite Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Sales (kg), Revenue (\$ Million), Price (US\$/kg) and Gross Margin (2021-2026)

Table 117. Best Graphite Main Business

Table 118. Best Graphite Latest Developments

Table 119. BTR Basic Information, Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Manufacturing Base, Sales Area and Its Competitors

Table 120. BTR Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Product Portfolios and Specifications

Table 121. BTR Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Sales (kg), Revenue (\$ Million), Price (US\$/kg) and Gross Margin (2021-2026)

Table 122. BTR Main Business

Table 123. BTR Latest Developments

Table 124. EnerG2 Basic Information, Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Manufacturing Base, Sales Area and Its Competitors

Table 125. EnerG2 Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Product Portfolios and Specifications

Table 126. EnerG2 Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Sales (kg), Revenue (\$ Million), Price (US\$/kg) and Gross Margin (2021-2026)

Table 127. EnerG2 Main Business

Table 128. EnerG2 Latest Developments

## List Of Figures

### LIST OF FIGURES

Figure 1. Picture of Hard Carbon Anodes for Sodium Ion Batteries (NIBs)

Figure 2. Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Report Years Considered

Figure 3. Research Objectives

Figure 4. Research Methodology

Figure 5. Research Process and Data Source

Figure 6. Global Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Sales Growth Rate 2021-2032 (kg)

Figure 7. Global Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Revenue Growth Rate 2021-2032 (\$ millions)

Figure 8. Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Sales by Geographic Region (2021, 2025 & 2032) & (\$ millions)

Figure 9. Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Sales Market Share by Country/Region (2025)

Figure 10. Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Sales Market Share by Country/Region (2021, 2025 & 2032)

Figure 11. Product Picture of Biomass-derived Hard Carbon

Figure 12. Product Picture of Polymer-derived Hard Carbon

Figure 13. Product Picture of Carbon-based Alloy Hard Carbon

Figure 14. Product Picture of Other

Figure 15. Global Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Sales Market Share by Type in 2026

Figure 16. Global Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Revenue Market Share by Type (2021-2026)

Figure 17. Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Consumed in Industrial Energy Storage

Figure 18. Global Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Market: Industrial Energy Storage (2021-2026) & (kg)

Figure 19. Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Consumed in Electric Vehicles

Figure 20. Global Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Market: Electric Vehicles (2021-2026) & (kg)

Figure 21. Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Consumed in Uninterruptible Power Supply (UPS)

Figure 22. Global Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Market:

Uninterruptible Power Supply (UPS) (2021-2026) & (kg)

Figure 23. Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Consumed in Other

Figure 24. Global Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Market: Other (2021-2026) & (kg)

Figure 25. Global Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Sale Market Share by Application (2025)

Figure 26. Global Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Revenue Market Share by Application in 2026

Figure 27. Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Sales by Company in 2026 (kg)

Figure 28. Global Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Sales Market Share by Company in 2026

Figure 29. Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Revenue by Company in 2026 (\$ millions)

Figure 30. Global Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Revenue Market Share by Company in 2026

Figure 31. Global Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Sales Market Share by Geographic Region (2021-2026)

Figure 32. Global Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Revenue Market Share by Geographic Region in 2026

Figure 33. Americas Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Sales 2021-2026 (kg)

Figure 34. Americas Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Revenue 2021-2026 (\$ millions)

Figure 35. APAC Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Sales 2021-2026 (kg)

Figure 36. APAC Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Revenue 2021-2026 (\$ millions)

Figure 37. Europe Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Sales 2021-2026 (kg)

Figure 38. Europe Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Revenue 2021-2026 (\$ millions)

Figure 39. Middle East & Africa Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Sales 2021-2026 (kg)

Figure 40. Middle East & Africa Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Revenue 2021-2026 (\$ millions)

Figure 41. Americas Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Sales Market Share by Country in 2026

Figure 42. Americas Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Revenue

## Market Share by Country (2021-2026)

Figure 43. Americas Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Sales Market Share by Type (2021-2026)

Figure 44. Americas Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Sales Market Share by Application (2021-2026)

Figure 45. United States Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Revenue Growth 2021-2026 (\$ millions)

Figure 46. Canada Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Revenue Growth 2021-2026 (\$ millions)

Figure 47. Mexico Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Revenue Growth 2021-2026 (\$ millions)

Figure 48. Brazil Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Revenue Growth 2021-2026 (\$ millions)

Figure 49. APAC Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Sales Market Share by Region in 2026

Figure 50. APAC Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Revenue Market Share by Region (2021-2026)

Figure 51. APAC Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Sales Market Share by Type (2021-2026)

Figure 52. APAC Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Sales Market Share by Application (2021-2026)

Figure 53. China Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Revenue Growth 2021-2026 (\$ millions)

Figure 54. Japan Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Revenue Growth 2021-2026 (\$ millions)

Figure 55. South Korea Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Revenue Growth 2021-2026 (\$ millions)

Figure 56. Southeast Asia Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Revenue Growth 2021-2026 (\$ millions)

Figure 57. India Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Revenue Growth 2021-2026 (\$ millions)

Figure 58. Australia Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Revenue Growth 2021-2026 (\$ millions)

Figure 59. China Taiwan Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Revenue Growth 2021-2026 (\$ millions)

Figure 60. Europe Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Sales Market Share by Country in 2026

Figure 61. Europe Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Revenue Market Share by Country (2021-2026)

Figure 62. Europe Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Sales Market Share by Type (2021-2026)

Figure 63. Europe Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Sales Market Share by Application (2021-2026)

Figure 64. Germany Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Revenue Growth 2021-2026 (\$ millions)

Figure 65. France Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Revenue Growth 2021-2026 (\$ millions)

Figure 66. UK Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Revenue Growth 2021-2026 (\$ millions)

Figure 67. Italy Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Revenue Growth 2021-2026 (\$ millions)

Figure 68. Russia Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Revenue Growth 2021-2026 (\$ millions)

Figure 69. Middle East & Africa Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Sales Market Share by Country (2021-2026)

Figure 70. Middle East & Africa Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Sales Market Share by Type (2021-2026)

Figure 71. Middle East & Africa Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Sales Market Share by Application (2021-2026)

Figure 72. Egypt Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Revenue Growth 2021-2026 (\$ millions)

Figure 73. South Africa Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Revenue Growth 2021-2026 (\$ millions)

Figure 74. Israel Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Revenue Growth 2021-2026 (\$ millions)

Figure 75. Turkey Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Revenue Growth 2021-2026 (\$ millions)

Figure 76. GCC Countries Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Revenue Growth 2021-2026 (\$ millions)

Figure 77. Manufacturing Cost Structure Analysis of Hard Carbon Anodes for Sodium Ion Batteries (NIBs) in 2026

Figure 78. Manufacturing Process Analysis of Hard Carbon Anodes for Sodium Ion Batteries (NIBs)

Figure 79. Industry Chain Structure of Hard Carbon Anodes for Sodium Ion Batteries (NIBs)

Figure 80. Channels of Distribution

Figure 81. Global Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Sales Market Forecast by Region (2027-2032)

Figure 82. Global Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Revenue Market Share Forecast by Region (2027-2032)

Figure 83. Global Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Sales Market Share Forecast by Type (2027-2032)

Figure 84. Global Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Revenue Market Share Forecast by Type (2027-2032)

Figure 85. Global Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Sales Market Share Forecast by Application (2027-2032)

Figure 86. Global Hard Carbon Anodes for Sodium Ion Batteries (NIBs) Revenue Market Share Forecast by Application (2027-2032)

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