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Global Lithium-Ion Battery Negative Electrode Material Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global Lithium-Ion Battery Negative Electrode Material market size was valued at US$ 9701 million in 2025 and is forecast to a readjusted size of US$ 25106 million by 2032 with a CAGR of 13.7% during review period.

In 2025, the global production of lithium-ion battery negative electrode material reached 3.0912 million tons, with an average selling price of 3,050 USD/ton. The global annual production capacity of lithium-ion battery negative electrode material was approximately 5.017 million tons, and the gross profit margin was about 20.16%. Lithium-ion battery negative electrode material refers to the active material that functions as the negative electrode in a lithium-ion battery, serving as the key carrier for the reversible intercalation and deintercalation of lithium ions during battery charge and discharge. During charging, lithium ions are extracted from the positive electrode, migrate through the electrolyte to the negative electrode, and become intercalated into the crystal structure or pores of the negative electrode material; during discharging, lithium ions are extracted from the negative electrode and return to the positive electrode, while electrons flow from the negative electrode to the positive electrode through the external circuit, forming an electric current to drive external loads. The performance of negative electrode material largely determines the battery's energy density, cycle life, charge/discharge rate, safety, and cost. The upstream industry for lithium-ion battery negative electrode material includes petroleum coke, needle coke, and pitch coke. The midstream industry consists of the manufacturers of lithium-ion battery negative electrode material, while the downstream industries are primarily power batteries, energy storage batteries, and consumer batteries.

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Currently, the market for lithium-ion battery negative electrode material has formed a mature landscape dominated by graphite-based materials, among which artificial graphite holds a mainstream position due to its excellent cycle life and rate capability, while natural graphite maintains its competitive advantages in cost and compaction density. Driven by the continuous demand for higher energy density in power batteries and energy storage applications, new negative electrode technologies, particularly silicon-based materials, are accelerating their transition from research and development to industrial application, becoming a focal point of technological innovation in the market. At the same time, the industry chain exhibits a clear trend toward large-scale production and consolidation, with leading manufacturers continuously strengthening their competitive advantages through vertical integration and process optimization. Meanwhile, the diversified development of downstream application markets has imposed differentiated requirements on various performance dimensions of negative electrode materials, driving the product portfolio to continuously evolve toward specialized directions such as high capacity, long cycle life, and fast-charging capability.

This report is a detailed and comprehensive analysis for global Lithium-Ion Battery Negative Electrode Material 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 Lithium-Ion Battery Negative Electrode Material market size and forecasts, in consumption value ($ Million), sales quantity (Kilotons), and average selling prices (US$/Ton), 2021-2032

Global Lithium-Ion Battery Negative Electrode Material market size and forecasts by region and country, in consumption value ($ Million), sales quantity (Kilotons), and average selling prices (US$/Ton), 2021-2032

Global Lithium-Ion Battery Negative Electrode Material market size and forecasts, by Type and by Application, in consumption value ($ Million), sales quantity (Kilotons), and average selling prices (US$/Ton), 2021-2032

Global Lithium-Ion Battery Negative Electrode Material market shares of main players,

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shipments in revenue ($ Million), sales quantity (Kilotons), and ASP (US$/Ton), 2021-2026

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 Lithium-Ion Battery Negative Electrode Material

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

To assess competitive factors affecting the marketplace

This report profiles key players in the global Lithium-Ion Battery Negative Electrode Material 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 BTR New Energy, Shanshan Tech, Resonac, POSCO Future M, Mitsubishi Chem, Nippon Carbon, Putailan (Zichen Tech), ZETO, Sinuo, Guangdong Kaijin, etc.

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

Market Segmentation

Lithium-Ion Battery Negative Electrode Material market is split by Type and by Application. For the period 2021-2032, 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

Carbon-Based Anodes

Silicon-Based Anodes

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Market segment by Material Sources

Natural Graphite

Artificial Graphite

Others

Market segment by Specific Capacity

?350 mAh/g

350 mAh/g-400 mAh/g

>400 mAh/g

Market segment by Application

Power Battery

Energy Storage Battery

Consumer Electronics Battery

Major players covered

BTR New Energy

Shanshan Tech

Resonac

POSCO Future M

Mitsubishi Chem

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Nippon Carbon

Putailan (Zichen Tech)

ZETO

Sinuo

Guangdong Kaijin

Henan Yicheng

HGL

Shinzoom

Shangtai Tech

Xiangfenghua

Carbon One New Energy Group

DONGDAO

Hebei Kuntian New Energy

KEDA

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)

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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 Lithium-Ion Battery Negative Electrode Material product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Lithium-Ion Battery Negative Electrode Material, with price, sales quantity, revenue, and global market share of Lithium-Ion Battery Negative Electrode Material from 2021 to 2026.

Chapter 3, the Lithium-Ion Battery Negative Electrode Material competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Lithium-Ion Battery Negative Electrode Material breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

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 2021 to 2032.

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 2021 to 2026.and Lithium-Ion Battery Negative Electrode Material market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

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 Lithium-Ion Battery Negative Electrode Material.

Chapter 14 and 15, to describe Lithium-Ion Battery Negative Electrode Material sales channel, distributors, customers, research findings and conclusion.

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3 COMPETITIVE ENVIRONMENT: LITHIUM-ION BATTERY NEGATIVE ELECTRODE MATERIAL BY MANUFACTURER

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List Of Tables

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List Of Figures

LIST OF FIGURES

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