

# Global Carbon Black for Lithium-ion Battery Supply, Demand and Key Producers, 2026-2032

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## Abstracts

The global Carbon Black for Lithium-ion Battery market size is expected to reach \$ 1543 million by 2032, rising at a market growth of 10.4% CAGR during the forecast period (2026-2032).

Carbon black is a commonly used material in the production of lithium-ion batteries. It plays multiple roles in battery components and plays a key role in improving battery performance.

Explosive growth in new energy vehicles

Power battery demand: Each GWh of battery requires 50-80 tons of carbon black. By 2025, global power battery production capacity may reach 3.5 TWh, driving carbon black demand to 1.75-2.8 million tons.

Widespread adoption of high-nickel cathodes: NCM811/NCA requires more carbon black to compensate for low conductivity (addition rate increases from 2% to 4%).

Battery technology iteration

Silicon-carbon anode applications: Silicon materials have poor conductivity, so carbon black addition rates have increased to 5%-8% (traditional graphite anodes only require 1%-2%)

Solid-state battery pre-lithiation: Carbon black serves as a lithium metal carrier material (new application scenario)

## Policy and standard drivers

China: The 'Energy-Saving and New Energy Vehicle Technology Roadmap 2.0' requires battery energy density to reach '350 Wh/kg by 2030' driving upgrades in conductive agents

EU: REACH regulations limit polycyclic aromatic hydrocarbon content (traditional carbon black requires purification treatment)

## Supply Chain Security Requirements

Domestic substitution acceleration: Chinese companies Bettery/Tiannai Technology have broken through the technology of Kotchen black, with prices 30% lower than imports

Localized production: CATL requires key materials to be sourced within a 300 km radius

This report studies the global Carbon Black for Lithium-ion Battery production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Carbon Black for Lithium-ion Battery and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Carbon Black for Lithium-ion Battery that contribute to its increasing demand across many markets.

## Highlights and key features of the study

Global Carbon Black for Lithium-ion Battery total production and demand, 2021-2032, (Tons)

Global Carbon Black for Lithium-ion Battery total production value, 2021-2032, (USD Million)

Global Carbon Black for Lithium-ion Battery production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Tons), (based on production site)

Global Carbon Black for Lithium-ion Battery consumption by region & country, CAGR, 2021-2032 & (Tons)

U.S. VS China: Carbon Black for Lithium-ion Battery domestic production, consumption, key domestic manufacturers and share

Global Carbon Black for Lithium-ion Battery production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Tons)

Global Carbon Black for Lithium-ion Battery production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

Global Carbon Black for Lithium-ion Battery production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

This report profiles key players in the global Carbon Black for Lithium-ion Battery 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 Imerys, Hexing Chemical Industry, Cabot Corporation, Denka Company, Orion Engineered Carbons, Continental Carbon, Birla Carbon, Asahi Carbon, Phillips Carbon Black, Lion Specialty Chemicals, etc.

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

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Carbon Black for Lithium-ion Battery market

### **Detailed Segmentation:**

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Tons) and average price (US\$/Ton) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Carbon Black for Lithium-ion Battery Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Carbon Black for Lithium-ion Battery Market, Segmentation by Type:

Super P

Acetylene Black

Others

Global Carbon Black for Lithium-ion Battery Market, Segmentation by Application:

Automotive

Consumer Electronics

Energy Storage Systems

Power Tools

Others

Companies Profiled:

Imerys

Hexing Chemical Industry

Cabot Corporation

Denka Company

Orion Engineered Carbons

Continental Carbon

Birla Carbon

Asahi Carbon

Phillips Carbon Black

Lion Specialty Chemicals

**Key Questions Answered:**

1. How big is the global Carbon Black for Lithium-ion Battery market?
2. What is the demand of the global Carbon Black for Lithium-ion Battery market?
3. What is the year over year growth of the global Carbon Black for Lithium-ion Battery market?
4. What is the production and production value of the global Carbon Black for Lithium-ion Battery market?
5. Who are the key producers in the global Carbon Black for Lithium-ion Battery market?
6. What are the growth factors driving the market demand?

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