

U.S. Synthetic Graphite Market Size, Share & Trends Analysis Report By Product (Electrodes, Powder), By Application (Lithium Ion Batteries, Foundry And Metallurgy), And Segment Forecasts, 2025 - 2033

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Abstracts

The U.S. synthetic graphite market size was estimated at USD 1.35 billion in 2024, projected to reach USD 2.14 billion by 2033, at a CAGR of 5.3% from 2025 to 2033. This market's growth is driven by government initiatives, technological progress, and corporate investments focused on building a domestic supply chain for critical battery materials. The effort to expand the adoption of electric vehicles (EVs) and clean energy solutions is a key factor favoring market growth.

Significant funding through the U.S. government programs, such as the Battery Materials Processing Grants, aimed at ensuring and supporting the establishment of materials processing facilities for critical materials, contributes to market growth. Innovations also drive the market, with companies developing new, more sustainable production methods. Market players are engaging in strategic partnerships and focusing on investments, which underscores how innovation in material production and corporate expansion directly influence the growth and stability of the domestic supply chain. In November 2024, NOVONIX Limited and Stellantis NV announced the signing of an agreement for high-performance synthetic graphite material for up to a target volume of 115,000 tonnes. NOVONIX plans to build a new production facility in the southeastern U.S. This facility is expected to have an initial capacity of 30,000 tpa and potentially expand to 75,000 tpa.

Strategic corporate investments significantly drive the U.S. synthetic graphite industry, with several companies announcing plans for large-scale production facilities. In June 2023, Novonix Limited and LG Energy Solutions (LGES) signed a Joint Research and

Development Agreement (JDA) for artificial graphite anode material for the lithium-ion battery production process.

U.S. Synthetic Graphite Market Report Segmentation

This report forecasts revenue growth at the country level and provides an analysis of the latest industry trends in each of the sub-segments from 2021 to 2033. For this study, Grand View Research has segmented the U.S. synthetic graphite market report based on product and application:

Product Outlook (Revenue, USD Billion, 2021 - 2033)

Electrodes

Blocks and Rounds

Powder

Others

Application Outlook (Revenue, USD Billion, 2021 - 2033)

Lithium Ion Batteries

Foundry and Metallurgy

Electrical Components

Lubricants and Greases

Others

This report can be delivered to the clients within 5 Business Days

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