

Global LFP Battery Electrode Recycled Black Mass Market Growth 2026-2032

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Abstracts

The global LFP Battery Electrode Recycled Black Mass market size is predicted to grow from US\$ 1301 million in 2025 to US\$ 3100 million in 2032; it is expected to grow at a CAGR of 13.3% from 2026 to 2032.

LFP Battery Electrode Recycled Black Mass refers to the black powder primarily composed of lithium iron phosphate active material, with minor graphite content, obtained after end-of-life LFP batteries undergo discharge, dismantling, shredding, pyrolysis, and precision separation to remove copper/aluminum current collectors and non-active components. This product offers advantages including stable composition, controllable impurities, and a short regeneration pathway, making it a key feedstock for either direct cathode repair or hydrometallurgical lithium recovery to produce battery-grade lithium iron phosphate. In 2025, the segment achieved a capacity utilization rate of 70% and an average industry gross margin of approximately 48%. Production reached approximately 917,000 tons at an average price of USD 1,450 per ton. The upstream is driven by core equipment suppliers such as Dalian Environmental Protection, Jiebang Precision, Miracle Automation, and STEINERT GmbH (Germany), providing shredding, separation, and pyrolysis systems. The midstream focuses on precise black mass preparation, enrichment of lithium and iron, and deep impurity removal to enable high-efficiency material regeneration. Downstream applications span electric vehicle traction batteries and large-scale energy storage systems, with key customers including BYD, CATL, Gotion High-Tech, Tesla, and Fluence.

United States market for LFP Battery Electrode Recycled Black Mass 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 LFP Battery Electrode Recycled Black Mass 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 LFP Battery Electrode Recycled Black Mass is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Global key LFP Battery Electrode Recycled Black Mass players cover Brunp Recycling, Ganfeng Lithium, GEM, Miracle Automation Engineering, CNGR Advanced Material, 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 “LFP Battery Electrode Recycled Black Mass Industry Forecast” looks at past sales and reviews total world LFP Battery Electrode Recycled Black Mass sales in 2025, providing a comprehensive analysis by region and market sector of projected LFP Battery Electrode Recycled Black Mass sales for 2026 through 2032. With LFP Battery Electrode Recycled Black Mass sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world LFP Battery Electrode Recycled Black Mass industry.

This Insight Report provides a comprehensive analysis of the global LFP Battery Electrode Recycled Black Mass 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 LFP Battery Electrode Recycled Black Mass portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global LFP Battery Electrode Recycled Black Mass market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for LFP Battery Electrode Recycled Black Mass 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 LFP Battery Electrode Recycled Black Mass.

This report presents a comprehensive overview, market shares, and growth opportunities of LFP Battery Electrode Recycled Black Mass market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

LFP-A

LFP-B

Segmentation by Technology:

Pyrometallurgical Smelting

Hydrometallurgical Recovery

Segmentation by Content:

2.0% Li₂O-3.50%

Li₂O-3.5%

Segmentation by Application:

Power Battery

Energy Storage Battery

Others

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.

Brunp Recycling

Ganfeng Lithium

GEM

Miracle Automation Engineering

CNGR Advanced Material

Zhejiang Guanghua Technology

Redwood Materials

Glencore

Ganzhou Longkai Technology

Huayou Cobalt

Umicore

SungEel HiTech

Key Questions Addressed in this Report

What is the 10-year outlook for the global LFP Battery Electrode Recycled Black Mass market?

What factors are driving LFP Battery Electrode Recycled Black Mass market growth, globally and by region?

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

How do LFP Battery Electrode Recycled Black Mass market opportunities vary by end market size?

How does LFP Battery Electrode Recycled Black Mass break out by Type, by Application?

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