

# Global LFP Battery Electrode Recycled Black Mass Supply, Demand and Key Producers, 2026-2032

<https://marketpublishers.com/r/G596D6F48BEDEN.html>

Date: February 2026

Pages: 124

Price: US\$ 4,480.00 (Single User License)

ID: G596D6F48BEDEN

## Abstracts

The global LFP Battery Electrode Recycled Black Mass market size is expected to reach \$ 3129 million by 2032, rising at a market growth of 12.5% CAGR during the forecast period (2026-2032).

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.

This report studies the global LFP Battery Electrode Recycled Black Mass production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for LFP

Battery Electrode Recycled Black Mass 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 LFP Battery Electrode Recycled Black Mass that contribute to its increasing demand across many markets.

### **Highlights and key features of the study**

Global LFP Battery Electrode Recycled Black Mass total production and demand, 2021-2032, (Tons)

Global LFP Battery Electrode Recycled Black Mass total production value, 2021-2032, (USD Million)

Global LFP Battery Electrode Recycled Black Mass production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Tons), (based on production site)

Global LFP Battery Electrode Recycled Black Mass consumption by region & country, CAGR, 2021-2032 & (Tons)

U.S. VS China: LFP Battery Electrode Recycled Black Mass domestic production, consumption, key domestic manufacturers and share

Global LFP Battery Electrode Recycled Black Mass production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Tons)

Global LFP Battery Electrode Recycled Black Mass production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

Global LFP Battery Electrode Recycled Black Mass production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

This report profiles key players in the global LFP Battery Electrode Recycled Black Mass 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 Brunp Recycling, Ganfeng Lithium, GEM, Miracle Automation Engineering, CNGR Advanced Material, Zhejiang Guanghua Technology, Redwood Materials, Glencore, Ganzhou Longkai Technology, Huayou Cobalt, 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 LFP Battery Electrode Recycled Black Mass 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 LFP Battery Electrode Recycled Black Mass Market, By Region:**

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

**Global LFP Battery Electrode Recycled Black Mass Market, Segmentation by Type:**

LFP-?A

LFP-?B

**Global LFP Battery Electrode Recycled Black Mass Market, Segmentation by Technology:**

Pyrometallurgical Smelting

## Hydrometallurgical Recovery

Global LFP Battery Electrode Recycled Black Mass Market, Segmentation by Content:

2.0%? Li<sub>2</sub>O

## Contents

### 1 SUPPLY SUMMARY

- 1.1 GaN and As/P MOCVD Systems Introduction
- 1.2 World GaN and As/P MOCVD Systems Supply & Forecast
  - 1.2.1 World GaN and As/P MOCVD Systems Production Value (2021 & 2025 & 2032)
  - 1.2.2 World GaN and As/P MOCVD Systems Production (2021-2032)
  - 1.2.3 World GaN and As/P MOCVD Systems Pricing Trends (2021-2032)
- 1.3 World GaN and As/P MOCVD Systems Production by Region (Based on Production Site)
  - 1.3.1 World GaN and As/P MOCVD Systems Production Value by Region (2021-2032)
  - 1.3.2 World GaN and As/P MOCVD Systems Production by Region (2021-2032)
  - 1.3.3 World GaN and As/P MOCVD Systems Average Price by Region (2021-2032)
  - 1.3.4 North America GaN and As/P MOCVD Systems Production (2021-2032)
  - 1.3.5 Europe GaN and As/P MOCVD Systems Production (2021-2032)
  - 1.3.6 China GaN and As/P MOCVD Systems Production (2021-2032)
  - 1.3.7 Japan GaN and As/P MOCVD Systems Production (2021-2032)
- 1.4 Market Drivers, Restraints and Trends
  - 1.4.1 GaN and As/P MOCVD Systems Market Drivers
  - 1.4.2 Factors Affecting Demand
  - 1.4.3 GaN and As/P MOCVD Systems Major Market Trends

### 2 DEMAND SUMMARY

- 2.1 World GaN and As/P MOCVD Systems Demand (2021-2032)
- 2.2 World GaN and As/P MOCVD Systems Consumption by Region
  - 2.2.1 World GaN and As/P MOCVD Systems Consumption by Region (2021-2026)
  - 2.2.2 World GaN and As/P MOCVD Systems Consumption Forecast by Region (2027-2032)
- 2.3 United States GaN and As/P MOCVD Systems Consumption (2021-2032)
- 2.4 China GaN and As/P MOCVD Systems Consumption (2021-2032)
- 2.5 Europe GaN and As/P MOCVD Systems Consumption (2021-2032)
- 2.6 Japan GaN and As/P MOCVD Systems Consumption (2021-2032)
- 2.7 South Korea GaN and As/P MOCVD Systems Consumption (2021-2032)
- 2.8 ASEAN GaN and As/P MOCVD Systems Consumption (2021-2032)
- 2.9 India GaN and As/P MOCVD Systems Consumption (2021-2032)

### 3 WORLD MANUFACTURERS COMPETITIVE ANALYSIS

- 3.1 World GaN and As/P MOCVD Systems Production Value by Manufacturer (2021-2026)
- 3.2 World GaN and As/P MOCVD Systems Production by Manufacturer (2021-2026)
- 3.3 World GaN and As/P MOCVD Systems Average Price by Manufacturer (2021-2026)
- 3.4 GaN and As/P MOCVD Systems Company Evaluation Quadrant
- 3.5 Industry Rank and Concentration Rate (CR)
  - 3.5.1 Global GaN and As/P MOCVD Systems Industry Rank of Major Manufacturers
  - 3.5.2 Global Concentration Ratios (CR4) for GaN and As/P MOCVD Systems in 2025
  - 3.5.3 Global Concentration Ratios (CR8) for GaN and As/P MOCVD Systems in 2025
- 3.6 GaN and As/P MOCVD Systems Market: Overall Company Footprint Analysis
  - 3.6.1 GaN and As/P MOCVD Systems Market: Region Footprint
  - 3.6.2 GaN and As/P MOCVD Systems Market: Company Product Type Footprint
  - 3.6.3 GaN and As/P MOCVD Systems Market: Company Product Application Footprint
- 3.7 Competitive Environment
  - 3.7.1 Historical Structure of the Industry
  - 3.7.2 Barriers of Market Entry
  - 3.7.3 Factors of Competition
- 3.8 New Entrant and Capacity Expansion Plans
- 3.9 Mergers, Acquisition, Agreements, and Collaborations

## **4 UNITED STATES VS CHINA VS REST OF THE WORLD**

- 4.1 United States VS China: GaN and As/P MOCVD Systems Production Value Comparison
  - 4.1.1 United States VS China: GaN and As/P MOCVD Systems Production Value Comparison (2021 & 2025 & 2032)
  - 4.1.2 United States VS China: GaN and As/P MOCVD Systems Production Value Market Share Comparison (2021 & 2025 & 2032)
- 4.2 United States VS China: GaN and As/P MOCVD Systems Production Comparison
  - 4.2.1 United States VS China: GaN and As/P MOCVD Systems Production Comparison (2021 & 2025 & 2032)
  - 4.2.2 United States VS China: GaN and As/P MOCVD Systems Production Market Share Comparison (2021 & 2025 & 2032)
- 4.3 United States VS China: GaN and As/P MOCVD Systems Consumption Comparison
  - 4.3.1 United States VS China: GaN and As/P MOCVD Systems Consumption Comparison (2021 & 2025 & 2032)
  - 4.3.2 United States VS China: GaN and As/P MOCVD Systems Consumption Market

Share Comparison (2021 & 2025 & 2032)

4.4 United States Based GaN and As/P MOCVD Systems Manufacturers and Market Share, 2021-2026

4.4.1 United States Based GaN and As/P MOCVD Systems Manufacturers, Headquarters and Production Site (States, Country)

4.4.2 United States Based Manufacturers GaN and As/P MOCVD Systems Production Value (2021-2026)

4.4.3 United States Based Manufacturers GaN and As/P MOCVD Systems Production (2021-2026)

4.5 China Based GaN and As/P MOCVD Systems Manufacturers and Market Share

4.5.1 China Based GaN and As/P MOCVD Systems Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers GaN and As/P MOCVD Systems Production Value (2021-2026)

4.5.3 China Based Manufacturers GaN and As/P MOCVD Systems Production (2021-2026)

4.6 Rest of World Based GaN and As/P MOCVD Systems Manufacturers and Market Share, 2021-2026

4.6.1 Rest of World Based GaN and As/P MOCVD Systems Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers GaN and As/P MOCVD Systems Production Value (2021-2026)

4.6.3 Rest of World Based Manufacturers GaN and As/P MOCVD Systems Production (2021-2026)

## **5 MARKET ANALYSIS BY TYPE**

5.1 World GaN and As/P MOCVD Systems Market Size Overview by Type: 2021 VS 2025 VS 2032

5.2 Segment Introduction by Type

5.2.1 GaN-based MOCVD

5.2.2 GaAs/InP-based MOCVD

5.3 Market Segment by Type

5.3.1 World GaN and As/P MOCVD Systems Production by Type (2021-2032)

5.3.2 World GaN and As/P MOCVD Systems Production Value by Type (2021-2032)

5.3.3 World GaN and As/P MOCVD Systems Average Price by Type (2021-2032)

## **6 MARKET ANALYSIS BY SUBSTRATE/WAFER DIAMETER**

6.1 World GaN and As/P MOCVD Systems Market Size Overview by Substrate/Wafer Diameter: 2021 VS 2025 VS 2032

6.2 Segment Introduction by Substrate/Wafer Diameter

6.2.1 2 inch

6.2.2 3–4 inch

6.2.3 6 inch

6.2.4 8 inch

6.3 Market Segment by Substrate/Wafer Diameter

6.3.1 World GaN and As/P MOCVD Systems Production by Substrate/Wafer Diameter (2021-2032)

6.3.2 World GaN and As/P MOCVD Systems Production Value by Substrate/Wafer Diameter (2021-2032)

6.3.3 World GaN and As/P MOCVD Systems Average Price by Substrate/Wafer Diameter (2021-2032)

## **7 MARKET ANALYSIS BY CHAMBER COUNT**

7.1 World GaN and As/P MOCVD Systems Market Size Overview by Chamber Count: 2021 VS 2025 VS 2032

7.2 Segment Introduction by Chamber Count

7.2.1 Single-chamber

7.2.2 Dual-chamber

7.2.3 Multi-chamber

7.3 Market Segment by Chamber Count

7.3.1 World GaN and As/P MOCVD Systems Production by Chamber Count (2021-2032)

7.3.2 World GaN and As/P MOCVD Systems Production Value by Chamber Count (2021-2032)

7.3.3 World GaN and As/P MOCVD Systems Average Price by Chamber Count (2021-2032)

## **8 MARKET ANALYSIS BY APPLICATION**

8.1 World GaN and As/P MOCVD Systems Market Size Overview by Application: 2021 VS 2025 VS 2032

8.2 Segment Introduction by Application

8.2.1 LED

8.2.2 Power Devices

8.2.3 Lasers

8.2.4 RF Devices

8.2.5 Research

### 8.3 Market Segment by Application

8.3.1 World GaN and As/P MOCVD Systems Production by Application (2021-2032)

8.3.2 World GaN and As/P MOCVD Systems Production Value by Application (2021-2032)

8.3.3 World GaN and As/P MOCVD Systems Average Price by Application (2021-2032)

## 9 COMPANY PROFILES

### 9.1 AIXTRON Technologies

9.1.1 AIXTRON Technologies Details

9.1.2 AIXTRON Technologies Major Business

9.1.3 AIXTRON Technologies GaN and As/P MOCVD Systems Product and Services

9.1.4 AIXTRON Technologies GaN and As/P MOCVD Systems Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.1.5 AIXTRON Technologies Recent Developments/Updates

9.1.6 AIXTRON Technologies Competitive Strengths & Weaknesses

### 9.2 Advanced Micro-Fabrication Equipment

9.2.1 Advanced Micro-Fabrication Equipment Details

9.2.2 Advanced Micro-Fabrication Equipment Major Business

9.2.3 Advanced Micro-Fabrication Equipment GaN and As/P MOCVD Systems Product and Services

9.2.4 Advanced Micro-Fabrication Equipment GaN and As/P MOCVD Systems Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.2.5 Advanced Micro-Fabrication Equipment Recent Developments/Updates

9.2.6 Advanced Micro-Fabrication Equipment Competitive Strengths & Weaknesses

### 9.3 Topecsh

9.3.1 Topecsh Details

9.3.2 Topecsh Major Business

9.3.3 Topecsh GaN and As/P MOCVD Systems Product and Services

9.3.4 Topecsh GaN and As/P MOCVD Systems Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.3.5 Topecsh Recent Developments/Updates

9.3.6 Topecsh Competitive Strengths & Weaknesses

### 9.4 Veeco

9.4.1 Veeco Details

9.4.2 Veeco Major Business

- 9.4.3 Veeco GaN and As/P MOCVD Systems Product and Services
- 9.4.4 Veeco GaN and As/P MOCVD Systems Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 9.4.5 Veeco Recent Developments/Updates
- 9.4.6 Veeco Competitive Strengths & Weaknesses
- 9.5 Taiyo Nippon Sanso
  - 9.5.1 Taiyo Nippon Sanso Details
  - 9.5.2 Taiyo Nippon Sanso Major Business
  - 9.5.3 Taiyo Nippon Sanso GaN and As/P MOCVD Systems Product and Services
  - 9.5.4 Taiyo Nippon Sanso GaN and As/P MOCVD Systems Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 9.5.5 Taiyo Nippon Sanso Recent Developments/Updates
  - 9.5.6 Taiyo Nippon Sanso Competitive Strengths & Weaknesses
- 9.6 NuFlare Technology
  - 9.6.1 NuFlare Technology Details
  - 9.6.2 NuFlare Technology Major Business
  - 9.6.3 NuFlare Technology GaN and As/P MOCVD Systems Product and Services
  - 9.6.4 NuFlare Technology GaN and As/P MOCVD Systems Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 9.6.5 NuFlare Technology Recent Developments/Updates
  - 9.6.6 NuFlare Technology Competitive Strengths & Weaknesses

## **10 INDUSTRY CHAIN ANALYSIS**

- 10.1 GaN and As/P MOCVD Systems Industry Chain
- 10.2 GaN and As/P MOCVD Systems Upstream Analysis
  - 10.2.1 GaN and As/P MOCVD Systems Core Raw Materials
  - 10.2.2 Main Manufacturers of GaN and As/P MOCVD Systems Core Raw Materials
- 10.3 Midstream Analysis
- 10.4 Downstream Analysis
- 10.5 GaN and As/P MOCVD Systems Production Mode
- 10.6 GaN and As/P MOCVD Systems Procurement Model
- 10.7 GaN and As/P MOCVD Systems Industry Sales Model and Sales Channels
  - 10.7.1 GaN and As/P MOCVD Systems Sales Model
  - 10.7.2 GaN and As/P MOCVD Systems Typical Distributors

## **11 RESEARCH FINDINGS AND CONCLUSION**

## **12 APPENDIX**

12.1 Methodology

12.2 Research Process and Data Source

12.3 Disclaimer

## List Of Tables

### LIST OF TABLES

Table 1. World LFP Battery Electrode Recycled Black Mass Production Value by Region (2021, 2025 and 2032) & (USD Million)

Table 2. World LFP Battery Electrode Recycled Black Mass Production Value by Region (2021-2026) & (USD Million)

Table 3. World LFP Battery Electrode Recycled Black Mass Production Value by Region (2027-2032) & (USD Million)

Table 4. World LFP Battery Electrode Recycled Black Mass Production Value Market Share by Region (2021-2026)

Table 5. World LFP Battery Electrode Recycled Black Mass Production Value Market Share by Region (2027-2032)

Table 6. World LFP Battery Electrode Recycled Black Mass Production by Region (2021-2026) & (Tons)

Table 7. World LFP Battery Electrode Recycled Black Mass Production by Region (2027-2032) & (Tons)

Table 8. World LFP Battery Electrode Recycled Black Mass Production Market Share by Region (2021-2026)

Table 9. World LFP Battery Electrode Recycled Black Mass Production Market Share by Region (2027-2032)

Table 10. World LFP Battery Electrode Recycled Black Mass Average Price by Region (2021-2026) & (US\$/Ton)

Table 11. World LFP Battery Electrode Recycled Black Mass Average Price by Region (2027-2032) & (US\$/Ton)

Table 12. LFP Battery Electrode Recycled Black Mass Major Market Trends

Table 13. World LFP Battery Electrode Recycled Black Mass Consumption Growth Rate Forecast by Region (2021 & 2025 & 2032) & (Tons)

Table 14. World LFP Battery Electrode Recycled Black Mass Consumption by Region (2021-2026) & (Tons)

Table 15. World LFP Battery Electrode Recycled Black Mass Consumption Forecast by Region (2027-2032) & (Tons)

Table 16. World LFP Battery Electrode Recycled Black Mass Production Value by Manufacturer (2021-2026) & (USD Million)

Table 17. Production Value Market Share of Key LFP Battery Electrode Recycled Black Mass Producers in 2025

Table 18. World LFP Battery Electrode Recycled Black Mass Production by Manufacturer (2021-2026) & (Tons)

Table 19. Production Market Share of Key LFP Battery Electrode Recycled Black Mass Producers in 2025

Table 20. World LFP Battery Electrode Recycled Black Mass Average Price by Manufacturer (2021-2026) & (US\$/Ton)

Table 21. Global LFP Battery Electrode Recycled Black Mass Company Evaluation Quadrant

Table 22. World LFP Battery Electrode Recycled Black Mass Industry Rank of Major Manufacturers, Based on Production Value in 2025

Table 23. Head Office and LFP Battery Electrode Recycled Black Mass Production Site of Key Manufacturer

Table 24. LFP Battery Electrode Recycled Black Mass Market: Company Product Type Footprint

Table 25. LFP Battery Electrode Recycled Black Mass Market: Company Product Application Footprint

Table 26. LFP Battery Electrode Recycled Black Mass Competitive Factors

Table 27. LFP Battery Electrode Recycled Black Mass New Entrant and Capacity Expansion Plans

Table 28. LFP Battery Electrode Recycled Black Mass Mergers & Acquisitions Activity

Table 29. United States VS China LFP Battery Electrode Recycled Black Mass Production Value Comparison, (2021 & 2025 & 2032) & (USD Million)

Table 30. United States VS China LFP Battery Electrode Recycled Black Mass Production Comparison, (2021 & 2025 & 2032) & (Tons)

Table 31. United States VS China LFP Battery Electrode Recycled Black Mass Consumption Comparison, (2021 & 2025 & 2032) & (Tons)

Table 32. United States Based LFP Battery Electrode Recycled Black Mass Manufacturers, Headquarters and Production Site (States, Country)

Table 33. United States Based Manufacturers LFP Battery Electrode Recycled Black Mass Production Value, (2021-2026) & (USD Million)

Table 34. United States Based Manufacturers LFP Battery Electrode Recycled Black Mass Production Value Market Share (2021-2026)

Table 35. United States Based Manufacturers LFP Battery Electrode Recycled Black Mass Production (2021-2026) & (Tons)

Table 36. United States Based Manufacturers LFP Battery Electrode Recycled Black Mass Production Market Share (2021-2026)

Table 37. China Based LFP Battery Electrode Recycled Black Mass Manufacturers, Headquarters and Production Site (Province, Country)

Table 38. China Based Manufacturers LFP Battery Electrode Recycled Black Mass Production Value, (2021-2026) & (USD Million)

Table 39. China Based Manufacturers LFP Battery Electrode Recycled Black Mass

Production Value Market Share (2021-2026)

Table 40. China Based Manufacturers LFP Battery Electrode Recycled Black Mass Production, (2021-2026) & (Tons)

Table 41. China Based Manufacturers LFP Battery Electrode Recycled Black Mass Production Market Share (2021-2026)

Table 42. Rest of World Based LFP Battery Electrode Recycled Black Mass Manufacturers, Headquarters and Production Site (State, Country)

Table 43. Rest of World Based Manufacturers LFP Battery Electrode Recycled Black Mass Production Value, (2021-2026) & (USD Million)

Table 44. Rest of World Based Manufacturers LFP Battery Electrode Recycled Black Mass Production Value Market Share (2021-2026)

Table 45. Rest of World Based Manufacturers LFP Battery Electrode Recycled Black Mass Production, (2021-2026) & (Tons)

Table 46. Rest of World Based Manufacturers LFP Battery Electrode Recycled Black Mass Production Market Share (2021-2026)

Table 47. World LFP Battery Electrode Recycled Black Mass Production Value by Type, (USD Million), 2021 & 2025 & 2032

Table 48. World LFP Battery Electrode Recycled Black Mass Production by Type (2021-2026) & (Tons)

Table 49. World LFP Battery Electrode Recycled Black Mass Production by Type (2027-2032) & (Tons)

Table 50. World LFP Battery Electrode Recycled Black Mass Production Value by Type (2021-2026) & (USD Million)

Table 51. World LFP Battery Electrode Recycled Black Mass Production Value by Type (2027-2032) & (USD Million)

Table 52. World LFP Battery Electrode Recycled Black Mass Average Price by Type (2021-2026) & (US\$/Ton)

Table 53. World LFP Battery Electrode Recycled Black Mass Average Price by Type (2027-2032) & (US\$/Ton)

Table 54. World LFP Battery Electrode Recycled Black Mass Production Value by Technology, (USD Million), 2021 & 2025 & 2032

Table 55. World LFP Battery Electrode Recycled Black Mass Production by Technology (2021-2026) & (Tons)

Table 56. World LFP Battery Electrode Recycled Black Mass Production by Technology (2027-2032) & (Tons)

Table 57. World LFP Battery Electrode Recycled Black Mass Production Value by Technology (2021-2026) & (USD Million)

Table 58. World LFP Battery Electrode Recycled Black Mass Production Value by Technology (2027-2032) & (USD Million)

Table 59. World LFP Battery Electrode Recycled Black Mass Average Price by Technology (2021-2026) & (US\$/Ton)

Table 60. World LFP Battery Electrode Recycled Black Mass Average Price by Technology (2027-2032) & (US\$/Ton)

Table 61. World LFP Battery Electrode Recycled Black Mass Production Value by Content, (USD Million), 2021 & 2025 & 2032

Table 62. World LFP Battery Electrode Recycled Black Mass Production by Content (2021-2026) & (Tons)

Table 63. World LFP Battery Electrode Recycled Black Mass Production by Content (2027-2032) & (Tons)

Table 64. World LFP Battery Electrode Recycled Black Mass Production Value by Content (2021-2026) & (USD Million)

Table 65. World LFP Battery Electrode Recycled Black Mass Production Value by Content (2027-2032) & (USD Million)

Table 66. World LFP Battery Electrode Recycled Black Mass Average Price by Content (2021-2026) & (US\$/Ton)

Table 67. World LFP Battery Electrode Recycled Black Mass Average Price by Content (2027-2032) & (US\$/Ton)

Table 68. World LFP Battery Electrode Recycled Black Mass Production Value by Application, (USD Million), 2021 & 2025 & 2032

Table 69. World LFP Battery Electrode Recycled Black Mass Production by Application (2021-2026) & (Tons)

Table 70. World LFP Battery Electrode Recycled Black Mass Production by Application (2027-2032) & (Tons)

Table 71. World LFP Battery Electrode Recycled Black Mass Production Value by Application (2021-2026) & (USD Million)

Table 72. World LFP Battery Electrode Recycled Black Mass Production Value by Application (2027-2032) & (USD Million)

Table 73. World LFP Battery Electrode Recycled Black Mass Average Price by Application (2021-2026) & (US\$/Ton)

Table 74. World LFP Battery Electrode Recycled Black Mass Average Price by Application (2027-2032) & (US\$/Ton)

Table 75. Brunp Recycling Basic Information, Manufacturing Base and Competitors

Table 76. Brunp Recycling Major Business

Table 77. Brunp Recycling LFP Battery Electrode Recycled Black Mass Product and Services

Table 78. Brunp Recycling LFP Battery Electrode Recycled Black Mass Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 79. Brunp Recycling Recent Developments/Updates

Table 80. Brunp Recycling Competitive Strengths & Weaknesses

Table 81. Ganfeng Lithium Basic Information, Manufacturing Base and Competitors

Table 82. Ganfeng Lithium Major Business

Table 83. Ganfeng Lithium LFP Battery Electrode Recycled Black Mass Product and Services

Table 84. Ganfeng Lithium LFP Battery Electrode Recycled Black Mass Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 85. Ganfeng Lithium Recent Developments/Updates

Table 86. Ganfeng Lithium Competitive Strengths & Weaknesses

Table 87. GEM Basic Information, Manufacturing Base and Competitors

Table 88. GEM Major Business

Table 89. GEM LFP Battery Electrode Recycled Black Mass Product and Services

Table 90. GEM LFP Battery Electrode Recycled Black Mass Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 91. GEM Recent Developments/Updates

Table 92. GEM Competitive Strengths & Weaknesses

Table 93. Miracle Automation Engineering Basic Information, Manufacturing Base and Competitors

Table 94. Miracle Automation Engineering Major Business

Table 95. Miracle Automation Engineering LFP Battery Electrode Recycled Black Mass Product and Services

Table 96. Miracle Automation Engineering LFP Battery Electrode Recycled Black Mass Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 97. Miracle Automation Engineering Recent Developments/Updates

Table 98. Miracle Automation Engineering Competitive Strengths & Weaknesses

Table 99. CNGR Advanced Material Basic Information, Manufacturing Base and Competitors

Table 100. CNGR Advanced Material Major Business

Table 101. CNGR Advanced Material LFP Battery Electrode Recycled Black Mass Product and Services

Table 102. CNGR Advanced Material LFP Battery Electrode Recycled Black Mass Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 103. CNGR Advanced Material Recent Developments/Updates

Table 104. CNGR Advanced Material Competitive Strengths & Weaknesses

Table 105. Zhejiang Guanghai Technology Basic Information, Manufacturing Base and Competitors

Table 106. Zhejiang Guanghai Technology Major Business

Table 107. Zhejiang Guanghai Technology LFP Battery Electrode Recycled Black Mass Product and Services

Table 108. Zhejiang Guanghai Technology LFP Battery Electrode Recycled Black Mass Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 109. Zhejiang Guanghai Technology Recent Developments/Updates

Table 110. Zhejiang Guanghai Technology Competitive Strengths & Weaknesses

Table 111. Redwood Materials Basic Information, Manufacturing Base and Competitors

Table 112. Redwood Materials Major Business

Table 113. Redwood Materials LFP Battery Electrode Recycled Black Mass Product and Services

Table 114. Redwood Materials LFP Battery Electrode Recycled Black Mass Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 115. Redwood Materials Recent Developments/Updates

Table 116. Redwood Materials Competitive Strengths & Weaknesses

Table 117. Glencore Basic Information, Manufacturing Base and Competitors

Table 118. Glencore Major Business

Table 119. Glencore LFP Battery Electrode Recycled Black Mass Product and Services

Table 120. Glencore LFP Battery Electrode Recycled Black Mass Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 121. Glencore Recent Developments/Updates

Table 122. Glencore Competitive Strengths & Weaknesses

Table 123. Ganzhou Longkai Technology Basic Information, Manufacturing Base and Competitors

Table 124. Ganzhou Longkai Technology Major Business

Table 125. Ganzhou Longkai Technology LFP Battery Electrode Recycled Black Mass Product and Services

Table 126. Ganzhou Longkai Technology LFP Battery Electrode Recycled Black Mass Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 127. Ganzhou Longkai Technology Recent Developments/Updates

Table 128. Ganzhou Longkai Technology Competitive Strengths & Weaknesses

Table 129. Huayou Cobalt Basic Information, Manufacturing Base and Competitors

Table 130. Huayou Cobalt Major Business

Table 131. Huayou Cobalt LFP Battery Electrode Recycled Black Mass Product and Services

Table 132. Huayou Cobalt LFP Battery Electrode Recycled Black Mass Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 133. Huayou Cobalt Recent Developments/Updates

Table 134. Huayou Cobalt Competitive Strengths & Weaknesses

Table 135. Umicore Basic Information, Manufacturing Base and Competitors

Table 136. Umicore Major Business

Table 137. Umicore LFP Battery Electrode Recycled Black Mass Product and Services

Table 138. Umicore LFP Battery Electrode Recycled Black Mass Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 139. Umicore Recent Developments/Updates

Table 140. Umicore Competitive Strengths & Weaknesses

Table 141. SungEel HiTech Basic Information, Manufacturing Base and Competitors

Table 142. SungEel HiTech Major Business

Table 143. SungEel HiTech LFP Battery Electrode Recycled Black Mass Product and Services

Table 144. SungEel HiTech LFP Battery Electrode Recycled Black Mass Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 145. SungEel HiTech Recent Developments/Updates

Table 146. SungEel HiTech Competitive Strengths & Weaknesses

Table 147. Global Key Players of LFP Battery Electrode Recycled Black Mass Upstream (Raw Materials)

Table 148. Global LFP Battery Electrode Recycled Black Mass Typical Customers

Table 149. LFP Battery Electrode Recycled Black Mass Typical Distributors

## List Of Figures

### LIST OF FIGURES

Figure 1. LFP Battery Electrode Recycled Black Mass Picture

Figure 2. World LFP Battery Electrode Recycled Black Mass Production Value: 2021 & 2025 & 2032, (USD Million)

Figure 3. World LFP Battery Electrode Recycled Black Mass Production Value and Forecast (2021-2032) & (USD Million)

Figure 4. World LFP Battery Electrode Recycled Black Mass Production (2021-2032) & (Tons)

Figure 5. World LFP Battery Electrode Recycled Black Mass Average Price (2021-2032) & (US\$/Ton)

Figure 6. World LFP Battery Electrode Recycled Black Mass Production Value Market Share by Region (2021-2032)

Figure 7. World LFP Battery Electrode Recycled Black Mass Production Market Share by Region (2021-2032)

Figure 8. North America LFP Battery Electrode Recycled Black Mass Production (2021-2032) & (Tons)

Figure 9. Europe LFP Battery Electrode Recycled Black Mass Production (2021-2032) & (Tons)

Figure 10. China LFP Battery Electrode Recycled Black Mass Production (2021-2032) & (Tons)

Figure 11. Japan LFP Battery Electrode Recycled Black Mass Production (2021-2032) & (Tons)

Figure 12. India LFP Battery Electrode Recycled Black Mass Production (2021-2032) & (Tons)

Figure 13. Southeast Asia LFP Battery Electrode Recycled Black Mass Production (2021-2032) & (Tons)

Figure 14. LFP Battery Electrode Recycled Black Mass Market Drivers

Figure 15. Factors Affecting Demand

Figure 16. World LFP Battery Electrode Recycled Black Mass Consumption (2021-2032) & (Tons)

Figure 17. World LFP Battery Electrode Recycled Black Mass Consumption Market Share by Region (2021-2032)

Figure 18. United States LFP Battery Electrode Recycled Black Mass Consumption (2021-2032) & (Tons)

Figure 19. China LFP Battery Electrode Recycled Black Mass Consumption (2021-2032) & (Tons)

Figure 20. Europe LFP Battery Electrode Recycled Black Mass Consumption (2021-2032) & (Tons)

Figure 21. Japan LFP Battery Electrode Recycled Black Mass Consumption (2021-2032) & (Tons)

Figure 22. South Korea LFP Battery Electrode Recycled Black Mass Consumption (2021-2032) & (Tons)

Figure 23. ASEAN LFP Battery Electrode Recycled Black Mass Consumption (2021-2032) & (Tons)

Figure 24. India LFP Battery Electrode Recycled Black Mass Consumption (2021-2032) & (Tons)

Figure 25. Producer Shipments of LFP Battery Electrode Recycled Black Mass by Manufacturer Revenue (\$MM) and Market Share (%): 2025

Figure 26. Global Four-firm Concentration Ratios (CR4) for LFP Battery Electrode Recycled Black Mass Markets in 2025

Figure 27. Global Four-firm Concentration Ratios (CR8) for LFP Battery Electrode Recycled Black Mass Markets in 2025

Figure 28. United States VS China: LFP Battery Electrode Recycled Black Mass Production Value Market Share Comparison (2021 & 2025 & 2032)

Figure 29. United States VS China: LFP Battery Electrode Recycled Black Mass Production Market Share Comparison (2021 & 2025 & 2032)

Figure 30. United States VS China: LFP Battery Electrode Recycled Black Mass Consumption Market Share Comparison (2021 & 2025 & 2032)

Figure 31. United States Based Manufacturers LFP Battery Electrode Recycled Black Mass Production Market Share 2025

Figure 32. China Based Manufacturers LFP Battery Electrode Recycled Black Mass Production Market Share 2025

Figure 33. Rest of World Based Manufacturers LFP Battery Electrode Recycled Black Mass Production Market Share 2025

Figure 34. World LFP Battery Electrode Recycled Black Mass Production Value by Type, (USD Million), 2021 & 2025 & 2032

Figure 35. World LFP Battery Electrode Recycled Black Mass Production Value Market Share by Type in 2025

Figure 36. LFP-?A

Figure 37. LFP-?B

Figure 38. World LFP Battery Electrode Recycled Black Mass Production Market Share by Type (2021-2032)

Figure 39. World LFP Battery Electrode Recycled Black Mass Production Value Market Share by Type (2021-2032)

Figure 40. World LFP Battery Electrode Recycled Black Mass Average Price by Type

(2021-2032) & (US\$/Ton)

Figure 41. World LFP Battery Electrode Recycled Black Mass Production Value by Technology, (USD Million), 2021 & 2025 & 2032

Figure 42. World LFP Battery Electrode Recycled Black Mass Production Value Market Share by Technology in 2025

Figure 43. Pyrometallurgical Smelting

Figure 44. Hydrometallurgical Recovery

Figure 45. World LFP Battery Electrode Recycled Black Mass Production Market Share by Technology (2021-2032)

Figure 46. World LFP Battery Electrode Recycled Black Mass Production Value Market Share by Technology (2021-2032)

Figure 47. World LFP Battery Electrode Recycled Black Mass Average Price by Technology (2021-2032) & (US\$/Ton)

Figure 48. World LFP Battery Electrode Recycled Black Mass Production Value by Content, (USD Million), 2021 & 2025 & 2032

Figure 49. World LFP Battery Electrode Recycled Black Mass Production Value Market Share by Content in 2025

Figure 50. 2.0%? Li<sub>2</sub>O

## I would like to order

Product name: Global LFP Battery Electrode Recycled Black Mass Supply, Demand and Key Producers, 2026-2032

Product link: <https://marketpublishers.com/r/G596D6F48BEDEN.html>

Price: US\$ 4,480.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G596D6F48BEDEN.html>