

Global Hydrometallurgy Recycled Battery Black Mass Market Growth 2026-2032

<https://marketpublishers.com/r/G92E56FD7F5AEN.html>

Date: October 2026

Pages: 121

Price: US\$ 3,660.00 (Single User License)

ID: G92E56FD7F5AEN

Abstracts

The global Hydrometallurgy Recycled Battery Black Mass market size is predicted to grow from US\$ 1372 million in 2025 to US\$ 3312 million in 2032; it is expected to grow at a CAGR of 13.5% from 2026 to 2032.

Hydrometallurgy Recycled Battery Black Mass refers to the mixed cathode and anode active-material powder obtained from spent lithium batteries and production scrap after discharge, dismantling, crushing, thermal treatment, and multi-stage physical separation, with casings, separators, copper and aluminum current collectors removed. Compared with general lithium battery recycled black powder, this product definition places greater emphasis on feedstock suitability for hydrometallurgical recovery, controllable metal composition, impurity reduction, lithium, nickel, cobalt, manganese, iron phosphate active-material enrichment, and efficient downstream leaching and purification. In 2025, the industry's capacity utilization rate reached 73%, and the average gross margin was around 50%. In 2025, production was about 610,000 tons and the average price was USD 2,300 per ton. The upstream segment mainly consists of specialized battery recycling equipment manufacturers, with representative suppliers including STEINERT, Batrium, Zhejiang Tianchang Intelligent Manufacturing Co., Ltd., and Brunp Recycling Equipment Division. The midstream segment focuses on black mass preparation, composition adjustment, and deep impurity removal, covering core processes such as fine crushing, pyrolysis, screening, magnetic separation, metal-element enrichment, and hydrometallurgical pre-treatment control. Downstream, the product is mainly used in regenerated cathode material manufacturing for power batteries and energy storage batteries, with typical customers including CATL, BYD, LG Energy Solution, and Tesla.

Hydrometallurgy Recycled Battery Black Mass will be priced around its ability to enter

chemical refining rather than simple physical recycling. For NCM feedstock, the value comes from recovering nickel, cobalt, manganese, and lithium into battery-grade salts and precursor materials; for LFP feedstock, lithium yield and processing cost become the core variables. As power batteries and energy storage batteries enter larger retirement cycles, downstream users will pay more attention to metal content, impurity levels, moisture control, and stable batch quality. The competitive threshold will move toward leaching efficiency, purification economics, environmental compliance, and long-term supply contracts with cathode-material producers.

LP Information, Inc. (LPI) ' newest research report, the "Hydrometallurgy Recycled Battery Black Mass Industry Forecast" looks at past sales and reviews total world Hydrometallurgy Recycled Battery Black Mass sales in 2025, providing a comprehensive analysis by region and market sector of projected Hydrometallurgy Recycled Battery Black Mass sales for 2026 through 2032. With Hydrometallurgy Recycled Battery Black Mass sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Hydrometallurgy Recycled Battery Black Mass industry.

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

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

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

Segmentation by Type:

Ternary Lithium Cathode

LiFePO₄ Cathode

Others

Segmentation by Technology:

Acid-Leaching

Bioleaching

Segmentation by Content:

2.0%?Li?3.50%

Li?3.5%

Others

Segmentation by Application:

Power Battery

Consumer Electronics 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 (China)

GEM (China)

Umicore (Belgium)

Redwood Materials (USA)

Huayou Cobalt (China)

SungEel HiTech (South Korea)

POSCO HY Clean Metal (South Korea)

Hydrovolt (Norway)

Ascend Elements (USA)

Cirba Solutions (USA)

Ecobat (USA)

Fortum Battery Solutions (Finland)

Duesenfeld (Germany)

Key Questions Addressed in this Report

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

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

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

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

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

Contents

1 SCOPE OF THE REPORT

- 1.1 Market Introduction
- 1.2 Years Considered
- 1.3 Research Objectives
- 1.4 Market Research Methodology
- 1.5 Research Process and Data Source
- 1.6 Economic Indicators
- 1.7 Currency Considered
- 1.8 Market Estimation Caveats

2 EXECUTIVE SUMMARY

2.1 World Market Overview

- 2.1.1 Global Hydrometallurgy Recycled Battery Black Mass Annual Sales 2021-2032
- 2.1.2 World Current & Future Analysis for Hydrometallurgy Recycled Battery Black Mass by Geographic Region, 2021, 2025 & 2032
- 2.1.3 World Current & Future Analysis for Hydrometallurgy Recycled Battery Black Mass by Country/Region, 2021, 2025 & 2032

2.2 Hydrometallurgy Recycled Battery Black Mass Segment by Type

- 2.2.1 Ternary Lithium Cathode
- 2.2.2 LiFePO₄ Cathode
- 2.2.3 Others
- 2.2.4 Hydrometallurgy Recycled Battery Black Mass Sales by Type
 - 2.2.4.1 Global Hydrometallurgy Recycled Battery Black Mass Sales Market Share by Type (2021-2026)
 - 2.2.4.2 Global Hydrometallurgy Recycled Battery Black Mass Revenue and Market Share by Type (2021-2026)
 - 2.2.4.3 Global Hydrometallurgy Recycled Battery Black Mass Sale Price by Type (2021-2026)

2.3 Hydrometallurgy Recycled Battery Black Mass Segment by Technology

- 2.3.1 Acid-Leaching
- 2.3.2 Bioleaching
- 2.3.3 Hydrometallurgy Recycled Battery Black Mass Sales by Technology
 - 2.3.3.1 Global Hydrometallurgy Recycled Battery Black Mass Sales Market Share by Technology (2021-2026)
 - 2.3.3.2 Global Hydrometallurgy Recycled Battery Black Mass Revenue and Market

Share by Technology (2021-2026)

2.3.3.3 Global Hydrometallurgy Recycled Battery Black Mass Sale Price by Technology (2021-2026)

2.4 Hydrometallurgy Recycled Battery Black Mass Segment by Content

2.4.1 2.0%?Li?3.50%

2.4.2 Li?3.5%

2.4.3 Others

2.4.4 Hydrometallurgy Recycled Battery Black Mass Sales by Content

2.4.4.1 Global Hydrometallurgy Recycled Battery Black Mass Sales Market Share by Content (2021-2026)

2.4.4.2 Global Hydrometallurgy Recycled Battery Black Mass Revenue and Market Share by Content (2021-2026)

2.4.4.3 Global Hydrometallurgy Recycled Battery Black Mass Sale Price by Content (2021-2026)

2.5 Hydrometallurgy Recycled Battery Black Mass Segment by Application

2.5.1 Power Battery

2.5.2 Consumer Electronics Battery

2.5.3 Energy Storage Battery

2.5.4 Others

2.5.5 Hydrometallurgy Recycled Battery Black Mass Sales by Application

2.5.5.1 Global Hydrometallurgy Recycled Battery Black Mass Sale Market Share by Application (2021-2026)

2.5.5.2 Global Hydrometallurgy Recycled Battery Black Mass Revenue and Market Share by Application (2021-2026)

2.5.5.3 Global Hydrometallurgy Recycled Battery Black Mass Sale Price by Application (2021-2026)

3 GLOBAL BY COMPANY

3.1 Global Hydrometallurgy Recycled Battery Black Mass Breakdown Data by Company

3.1.1 Global Hydrometallurgy Recycled Battery Black Mass Annual Sales by Company (2021-2026)

3.1.2 Global Hydrometallurgy Recycled Battery Black Mass Sales Market Share by Company (2021-2026)

3.2 Global Hydrometallurgy Recycled Battery Black Mass Annual Revenue by Company (2021-2026)

3.2.1 Global Hydrometallurgy Recycled Battery Black Mass Revenue by Company (2021-2026)

3.2.2 Global Hydrometallurgy Recycled Battery Black Mass Revenue Market Share by

Company (2021-2026)

3.3 Global Hydrometallurgy Recycled Battery Black Mass Sale Price by Company

3.4 Key Manufacturers Hydrometallurgy Recycled Battery Black Mass Producing Area Distribution, Sales Area, Product Type

3.4.1 Key Manufacturers Hydrometallurgy Recycled Battery Black Mass Product Location Distribution

3.4.2 Players Hydrometallurgy Recycled Battery Black Mass Products Offered

3.5 Market Concentration Rate Analysis

3.5.1 Competition Landscape Analysis

3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2024-2026)

3.6 New Products and Potential Entrants

3.7 Market M&A Activity & Strategy

4 WORLD HISTORIC REVIEW FOR HYDROMETALLURGY RECYCLED BATTERY BLACK MASS BY GEOGRAPHIC REGION

4.1 World Historic Hydrometallurgy Recycled Battery Black Mass Market Size by Geographic Region (2021-2026)

4.1.1 Global Hydrometallurgy Recycled Battery Black Mass Annual Sales by Geographic Region (2021-2026)

4.1.2 Global Hydrometallurgy Recycled Battery Black Mass Annual Revenue by Geographic Region (2021-2026)

4.2 World Historic Hydrometallurgy Recycled Battery Black Mass Market Size by Country/Region (2021-2026)

4.2.1 Global Hydrometallurgy Recycled Battery Black Mass Annual Sales by Country/Region (2021-2026)

4.2.2 Global Hydrometallurgy Recycled Battery Black Mass Annual Revenue by Country/Region (2021-2026)

4.3 Americas Hydrometallurgy Recycled Battery Black Mass Sales Growth

4.4 APAC Hydrometallurgy Recycled Battery Black Mass Sales Growth

4.5 Europe Hydrometallurgy Recycled Battery Black Mass Sales Growth

4.6 Middle East & Africa Hydrometallurgy Recycled Battery Black Mass Sales Growth

5 AMERICAS

5.1 Americas Hydrometallurgy Recycled Battery Black Mass Sales by Country

5.1.1 Americas Hydrometallurgy Recycled Battery Black Mass Sales by Country (2021-2026)

5.1.2 Americas Hydrometallurgy Recycled Battery Black Mass Revenue by Country

(2021-2026)

5.2 Americas Hydrometallurgy Recycled Battery Black Mass Sales by Type (2021-2026)

5.3 Americas Hydrometallurgy Recycled Battery Black Mass Sales by Application
(2021-2026)

5.4 United States

5.5 Canada

5.6 Mexico

5.7 Brazil

6 APAC

6.1 APAC Hydrometallurgy Recycled Battery Black Mass Sales by Region

6.1.1 APAC Hydrometallurgy Recycled Battery Black Mass Sales by Region
(2021-2026)

6.1.2 APAC Hydrometallurgy Recycled Battery Black Mass Revenue by Region
(2021-2026)

6.2 APAC Hydrometallurgy Recycled Battery Black Mass Sales by Type (2021-2026)

6.3 APAC Hydrometallurgy Recycled Battery Black Mass Sales by Application
(2021-2026)

6.4 China

6.5 Japan

6.6 South Korea

6.7 Southeast Asia

6.8 India

6.9 Australia

6.10 China Taiwan

7 EUROPE

7.1 Europe Hydrometallurgy Recycled Battery Black Mass by Country

7.1.1 Europe Hydrometallurgy Recycled Battery Black Mass Sales by Country
(2021-2026)

7.1.2 Europe Hydrometallurgy Recycled Battery Black Mass Revenue by Country
(2021-2026)

7.2 Europe Hydrometallurgy Recycled Battery Black Mass Sales by Type (2021-2026)

7.3 Europe Hydrometallurgy Recycled Battery Black Mass Sales by Application
(2021-2026)

7.4 Germany

7.5 France

7.6 UK

7.7 Italy

7.8 Russia

8 MIDDLE EAST & AFRICA

8.1 Middle East & Africa Hydrometallurgy Recycled Battery Black Mass by Country

8.1.1 Middle East & Africa Hydrometallurgy Recycled Battery Black Mass Sales by Country (2021-2026)

8.1.2 Middle East & Africa Hydrometallurgy Recycled Battery Black Mass Revenue by Country (2021-2026)

8.2 Middle East & Africa Hydrometallurgy Recycled Battery Black Mass Sales by Type (2021-2026)

8.3 Middle East & Africa Hydrometallurgy Recycled Battery Black Mass Sales by Application (2021-2026)

8.4 Egypt

8.5 South Africa

8.6 Israel

8.7 Turkey

8.8 GCC Countries

9 MARKET DRIVERS, CHALLENGES AND TRENDS

9.1 Market Drivers & Growth Opportunities

9.2 Market Challenges & Risks

9.3 Industry Trends

10 MANUFACTURING COST STRUCTURE ANALYSIS

10.1 Raw Material and Suppliers

10.2 Manufacturing Cost Structure Analysis of Hydrometallurgy Recycled Battery Black Mass

10.3 Manufacturing Process Analysis of Hydrometallurgy Recycled Battery Black Mass

10.4 Industry Chain Structure of Hydrometallurgy Recycled Battery Black Mass

11 MARKETING, DISTRIBUTORS AND CUSTOMER

11.1 Sales Channel

11.1.1 Direct Channels

- 11.1.2 Indirect Channels
- 11.2 Hydrometallurgy Recycled Battery Black Mass Distributors
- 11.3 Hydrometallurgy Recycled Battery Black Mass Customer

12 WORLD FORECAST REVIEW FOR HYDROMETALLURGY RECYCLED BATTERY BLACK MASS BY GEOGRAPHIC REGION

- 12.1 Global Hydrometallurgy Recycled Battery Black Mass Market Size Forecast by Region
 - 12.1.1 Global Hydrometallurgy Recycled Battery Black Mass Forecast by Region (2027-2032)
 - 12.1.2 Global Hydrometallurgy Recycled Battery Black Mass Annual Revenue Forecast by Region (2027-2032)
- 12.2 Americas Forecast by Country (2027-2032)
- 12.3 APAC Forecast by Region (2027-2032)
- 12.4 Europe Forecast by Country (2027-2032)
- 12.5 Middle East & Africa Forecast by Country (2027-2032)
- 12.6 Global Hydrometallurgy Recycled Battery Black Mass Forecast by Type (2027-2032)
- 12.7 Global Hydrometallurgy Recycled Battery Black Mass Forecast by Application (2027-2032)

13 KEY PLAYERS ANALYSIS

- 13.1 Brunp Recycling (China)
 - 13.1.1 Brunp Recycling (China) Company Information
 - 13.1.2 Brunp Recycling (China) Hydrometallurgy Recycled Battery Black Mass Product Portfolios and Specifications
 - 13.1.3 Brunp Recycling (China) Hydrometallurgy Recycled Battery Black Mass Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.1.4 Brunp Recycling (China) Main Business Overview
 - 13.1.5 Brunp Recycling (China) Latest Developments
- 13.2 GEM (China)
 - 13.2.1 GEM (China) Company Information
 - 13.2.2 GEM (China) Hydrometallurgy Recycled Battery Black Mass Product Portfolios and Specifications
 - 13.2.3 GEM (China) Hydrometallurgy Recycled Battery Black Mass Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.2.4 GEM (China) Main Business Overview

- 13.2.5 GEM (China) Latest Developments
- 13.3 Umicore (Belgium)
 - 13.3.1 Umicore (Belgium) Company Information
 - 13.3.2 Umicore (Belgium) Hydrometallurgy Recycled Battery Black Mass Product Portfolios and Specifications
 - 13.3.3 Umicore (Belgium) Hydrometallurgy Recycled Battery Black Mass Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.3.4 Umicore (Belgium) Main Business Overview
 - 13.3.5 Umicore (Belgium) Latest Developments
- 13.4 Redwood Materials (USA)
 - 13.4.1 Redwood Materials (USA) Company Information
 - 13.4.2 Redwood Materials (USA) Hydrometallurgy Recycled Battery Black Mass Product Portfolios and Specifications
 - 13.4.3 Redwood Materials (USA) Hydrometallurgy Recycled Battery Black Mass Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.4.4 Redwood Materials (USA) Main Business Overview
 - 13.4.5 Redwood Materials (USA) Latest Developments
- 13.5 Huayou Cobalt (China)
 - 13.5.1 Huayou Cobalt (China) Company Information
 - 13.5.2 Huayou Cobalt (China) Hydrometallurgy Recycled Battery Black Mass Product Portfolios and Specifications
 - 13.5.3 Huayou Cobalt (China) Hydrometallurgy Recycled Battery Black Mass Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.5.4 Huayou Cobalt (China) Main Business Overview
 - 13.5.5 Huayou Cobalt (China) Latest Developments
- 13.6 SungEel HiTech (South Korea)
 - 13.6.1 SungEel HiTech (South Korea) Company Information
 - 13.6.2 SungEel HiTech (South Korea) Hydrometallurgy Recycled Battery Black Mass Product Portfolios and Specifications
 - 13.6.3 SungEel HiTech (South Korea) Hydrometallurgy Recycled Battery Black Mass Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.6.4 SungEel HiTech (South Korea) Main Business Overview
 - 13.6.5 SungEel HiTech (South Korea) Latest Developments
- 13.7 POSCO HY Clean Metal (South Korea)
 - 13.7.1 POSCO HY Clean Metal (South Korea) Company Information
 - 13.7.2 POSCO HY Clean Metal (South Korea) Hydrometallurgy Recycled Battery Black Mass Product Portfolios and Specifications
 - 13.7.3 POSCO HY Clean Metal (South Korea) Hydrometallurgy Recycled Battery Black Mass Sales, Revenue, Price and Gross Margin (2021-2026)

- 13.7.4 POSCO HY Clean Metal (South Korea) Main Business Overview
- 13.7.5 POSCO HY Clean Metal (South Korea) Latest Developments
- 13.8 Hydrovolt (Norway)
 - 13.8.1 Hydrovolt (Norway) Company Information
 - 13.8.2 Hydrovolt (Norway) Hydrometallurgy Recycled Battery Black Mass Product Portfolios and Specifications
 - 13.8.3 Hydrovolt (Norway) Hydrometallurgy Recycled Battery Black Mass Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.8.4 Hydrovolt (Norway) Main Business Overview
 - 13.8.5 Hydrovolt (Norway) Latest Developments
- 13.9 Ascend Elements (USA)
 - 13.9.1 Ascend Elements (USA) Company Information
 - 13.9.2 Ascend Elements (USA) Hydrometallurgy Recycled Battery Black Mass Product Portfolios and Specifications
 - 13.9.3 Ascend Elements (USA) Hydrometallurgy Recycled Battery Black Mass Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.9.4 Ascend Elements (USA) Main Business Overview
 - 13.9.5 Ascend Elements (USA) Latest Developments
- 13.10 Cirba Solutions (USA)
 - 13.10.1 Cirba Solutions (USA) Company Information
 - 13.10.2 Cirba Solutions (USA) Hydrometallurgy Recycled Battery Black Mass Product Portfolios and Specifications
 - 13.10.3 Cirba Solutions (USA) Hydrometallurgy Recycled Battery Black Mass Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.10.4 Cirba Solutions (USA) Main Business Overview
 - 13.10.5 Cirba Solutions (USA) Latest Developments
- 13.11 Ecobat (USA)
 - 13.11.1 Ecobat (USA) Company Information
 - 13.11.2 Ecobat (USA) Hydrometallurgy Recycled Battery Black Mass Product Portfolios and Specifications
 - 13.11.3 Ecobat (USA) Hydrometallurgy Recycled Battery Black Mass Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.11.4 Ecobat (USA) Main Business Overview
 - 13.11.5 Ecobat (USA) Latest Developments
- 13.12 Fortum Battery Solutions (Finland)
 - 13.12.1 Fortum Battery Solutions (Finland) Company Information
 - 13.12.2 Fortum Battery Solutions (Finland) Hydrometallurgy Recycled Battery Black Mass Product Portfolios and Specifications
 - 13.12.3 Fortum Battery Solutions (Finland) Hydrometallurgy Recycled Battery Black

Mass Sales, Revenue, Price and Gross Margin (2021-2026)

13.12.4 Fortum Battery Solutions (Finland) Main Business Overview

13.12.5 Fortum Battery Solutions (Finland) Latest Developments

13.13 Duesenfeld (Germany)

13.13.1 Duesenfeld (Germany) Company Information

13.13.2 Duesenfeld (Germany) Hydrometallurgy Recycled Battery Black Mass Product

Portfolios and Specifications

13.13.3 Duesenfeld (Germany) Hydrometallurgy Recycled Battery Black Mass Sales,
Revenue, Price and Gross Margin (2021-2026)

13.13.4 Duesenfeld (Germany) Main Business Overview

13.13.5 Duesenfeld (Germany) Latest Developments

14 RESEARCH FINDINGS AND CONCLUSION

List Of Tables

LIST OF TABLES

Table 1. Hydrometallurgy Recycled Battery Black Mass Annual Sales CAGR by Geographic Region (2021, 2025 & 2032) & (\$ millions)

Table 2. Hydrometallurgy Recycled Battery Black Mass Annual Sales CAGR by Country/Region (2021, 2025 & 2032) & (\$ millions)

Table 3. Major Players of Ternary Lithium Cathode

Table 4. Major Players of LiFePO₄ Cathode

Table 5. Major Players of Others

Table 6. Global Hydrometallurgy Recycled Battery Black Mass Sales by Type (2021-2026) & (Tons)

Table 7. Global Hydrometallurgy Recycled Battery Black Mass Sales Market Share by Type (2021-2026)

Table 8. Global Hydrometallurgy Recycled Battery Black Mass Revenue by Type (2021-2026) & (\$ million)

Table 9. Global Hydrometallurgy Recycled Battery Black Mass Revenue Market Share by Type (2021-2026)

Table 10. Global Hydrometallurgy Recycled Battery Black Mass Sale Price by Type (2021-2026) & (US\$/Ton)

Table 11. Major Players of Acid-Leaching

Table 12. Major Players of Bioleaching

Table 13. Global Hydrometallurgy Recycled Battery Black Mass Sales by Technology (2021-2026) & (Tons)

Table 14. Global Hydrometallurgy Recycled Battery Black Mass Sales Market Share by Technology (2021-2026)

Table 15. Global Hydrometallurgy Recycled Battery Black Mass Revenue by Technology (2021-2026) & (\$ million)

Table 16. Global Hydrometallurgy Recycled Battery Black Mass Revenue Market Share by Technology (2021-2026)

Table 17. Global Hydrometallurgy Recycled Battery Black Mass Sale Price by Technology (2021-2026) & (US\$/Ton)

Table 18. Major Players of 2.0%?Li?3.50%

Table 19. Major Players of Li?3.5%

Table 20. Major Players of Others

Table 21. Global Hydrometallurgy Recycled Battery Black Mass Sales by Content (2021-2026) & (Tons)

Table 22. Global Hydrometallurgy Recycled Battery Black Mass Sales Market Share by

Content (2021-2026)

Table 23. Global Hydrometallurgy Recycled Battery Black Mass Revenue by Content (2021-2026) & (\$ million)

Table 24. Global Hydrometallurgy Recycled Battery Black Mass Revenue Market Share by Content (2021-2026)

Table 25. Global Hydrometallurgy Recycled Battery Black Mass Sale Price by Content (2021-2026) & (US\$/Ton)

Table 26. Global Hydrometallurgy Recycled Battery Black Mass Sale by Application (2021-2026) & (Tons)

Table 27. Global Hydrometallurgy Recycled Battery Black Mass Sale Market Share by Application (2021-2026)

Table 28. Global Hydrometallurgy Recycled Battery Black Mass Revenue by Application (2021-2026) & (\$ million)

Table 29. Global Hydrometallurgy Recycled Battery Black Mass Revenue Market Share by Application (2021-2026)

Table 30. Global Hydrometallurgy Recycled Battery Black Mass Sale Price by Application (2021-2026) & (US\$/Ton)

Table 31. Global Hydrometallurgy Recycled Battery Black Mass Sales by Company (2021-2026) & (Tons)

Table 32. Global Hydrometallurgy Recycled Battery Black Mass Sales Market Share by Company (2021-2026)

Table 33. Global Hydrometallurgy Recycled Battery Black Mass Revenue by Company (2021-2026) & (\$ millions)

Table 34. Global Hydrometallurgy Recycled Battery Black Mass Revenue Market Share by Company (2021-2026)

Table 35. Global Hydrometallurgy Recycled Battery Black Mass Sale Price by Company (2021-2026) & (US\$/Ton)

Table 36. Key Manufacturers Hydrometallurgy Recycled Battery Black Mass Producing Area Distribution and Sales Area

Table 37. Players Hydrometallurgy Recycled Battery Black Mass Products Offered

Table 38. Hydrometallurgy Recycled Battery Black Mass Concentration Ratio (CR3, CR5 and CR10) & (2024-2026)

Table 39. New Products and Potential Entrants

Table 40. Market M&A Activity & Strategy

Table 41. Global Hydrometallurgy Recycled Battery Black Mass Sales by Geographic Region (2021-2026) & (Tons)

Table 42. Global Hydrometallurgy Recycled Battery Black Mass Sales Market Share Geographic Region (2021-2026)

Table 43. Global Hydrometallurgy Recycled Battery Black Mass Revenue by

Geographic Region (2021-2026) & (\$ millions)

Table 44. Global Hydrometallurgy Recycled Battery Black Mass Revenue Market Share by Geographic Region (2021-2026)

Table 45. Global Hydrometallurgy Recycled Battery Black Mass Sales by Country/Region (2021-2026) & (Tons)

Table 46. Global Hydrometallurgy Recycled Battery Black Mass Sales Market Share by Country/Region (2021-2026)

Table 47. Global Hydrometallurgy Recycled Battery Black Mass Revenue by Country/Region (2021-2026) & (\$ millions)

Table 48. Global Hydrometallurgy Recycled Battery Black Mass Revenue Market Share by Country/Region (2021-2026)

Table 49. Americas Hydrometallurgy Recycled Battery Black Mass Sales by Country (2021-2026) & (Tons)

Table 50. Americas Hydrometallurgy Recycled Battery Black Mass Sales Market Share by Country (2021-2026)

Table 51. Americas Hydrometallurgy Recycled Battery Black Mass Revenue by Country (2021-2026) & (\$ millions)

Table 52. Americas Hydrometallurgy Recycled Battery Black Mass Sales by Type (2021-2026) & (Tons)

Table 53. Americas Hydrometallurgy Recycled Battery Black Mass Sales by Application (2021-2026) & (Tons)

Table 54. APAC Hydrometallurgy Recycled Battery Black Mass Sales by Region (2021-2026) & (Tons)

Table 55. APAC Hydrometallurgy Recycled Battery Black Mass Sales Market Share by Region (2021-2026)

Table 56. APAC Hydrometallurgy Recycled Battery Black Mass Revenue by Region (2021-2026) & (\$ millions)

Table 57. APAC Hydrometallurgy Recycled Battery Black Mass Sales by Type (2021-2026) & (Tons)

Table 58. APAC Hydrometallurgy Recycled Battery Black Mass Sales by Application (2021-2026) & (Tons)

Table 59. Europe Hydrometallurgy Recycled Battery Black Mass Sales by Country (2021-2026) & (Tons)

Table 60. Europe Hydrometallurgy Recycled Battery Black Mass Revenue by Country (2021-2026) & (\$ millions)

Table 61. Europe Hydrometallurgy Recycled Battery Black Mass Sales by Type (2021-2026) & (Tons)

Table 62. Europe Hydrometallurgy Recycled Battery Black Mass Sales by Application (2021-2026) & (Tons)

Table 63. Middle East & Africa Hydrometallurgy Recycled Battery Black Mass Sales by Country (2021-2026) & (Tons)
Table 64. Middle East & Africa Hydrometallurgy Recycled Battery Black Mass Revenue Market Share by Country (2021-2026)
Table 65. Middle East & Africa Hydrometallurgy Recycled Battery Black Mass Sales by Type (2021-2026) & (Tons)
Table 66. Middle East & Africa Hydrometallurgy Recycled Battery Black Mass Sales by Application (2021-2026) & (Tons)
Table 67. Key Market Drivers & Growth Opportunities of Hydrometallurgy Recycled Battery Black Mass
Table 68. Key Market Challenges & Risks of Hydrometallurgy Recycled Battery Black Mass
Table 69. Key Industry Trends of Hydrometallurgy Recycled Battery Black Mass
Table 70. Hydrometallurgy Recycled Battery Black Mass Raw Material
Table 71. Key Suppliers of Raw Materials
Table 72. Hydrometallurgy Recycled Battery Black Mass Distributors List
Table 73. Hydrometallurgy Recycled Battery Black Mass Customer List
Table 74. Global Hydrometallurgy Recycled Battery Black Mass Sales Forecast by Region (2027-2032) & (Tons)
Table 75. Global Hydrometallurgy Recycled Battery Black Mass Revenue Forecast by Region (2027-2032) & (\$ millions)
Table 76. Americas Hydrometallurgy Recycled Battery Black Mass Sales Forecast by Country (2027-2032) & (Tons)
Table 77. Americas Hydrometallurgy Recycled Battery Black Mass Annual Revenue Forecast by Country (2027-2032) & (\$ millions)
Table 78. APAC Hydrometallurgy Recycled Battery Black Mass Sales Forecast by Region (2027-2032) & (Tons)
Table 79. APAC Hydrometallurgy Recycled Battery Black Mass Annual Revenue Forecast by Region (2027-2032) & (\$ millions)
Table 80. Europe Hydrometallurgy Recycled Battery Black Mass Sales Forecast by Country (2027-2032) & (Tons)
Table 81. Europe Hydrometallurgy Recycled Battery Black Mass Revenue Forecast by Country (2027-2032) & (\$ millions)
Table 82. Middle East & Africa Hydrometallurgy Recycled Battery Black Mass Sales Forecast by Country (2027-2032) & (Tons)
Table 83. Middle East & Africa Hydrometallurgy Recycled Battery Black Mass Revenue Forecast by Country (2027-2032) & (\$ millions)
Table 84. Global Hydrometallurgy Recycled Battery Black Mass Sales Forecast by Type (2027-2032) & (Tons)

Table 85. Global Hydrometallurgy Recycled Battery Black Mass Revenue Forecast by Type (2027-2032) & (\$ millions)

Table 86. Global Hydrometallurgy Recycled Battery Black Mass Sales Forecast by Application (2027-2032) & (Tons)

Table 87. Global Hydrometallurgy Recycled Battery Black Mass Revenue Forecast by Application (2027-2032) & (\$ millions)

Table 88. Brunp Recycling (China) Basic Information, Hydrometallurgy Recycled Battery Black Mass Manufacturing Base, Sales Area and Its Competitors

Table 89. Brunp Recycling (China) Hydrometallurgy Recycled Battery Black Mass Product Portfolios and Specifications

Table 90. Brunp Recycling (China) Hydrometallurgy Recycled Battery Black Mass Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2021-2026)

Table 91. Brunp Recycling (China) Main Business

Table 92. Brunp Recycling (China) Latest Developments

Table 93. GEM (China) Basic Information, Hydrometallurgy Recycled Battery Black Mass Manufacturing Base, Sales Area and Its Competitors

Table 94. GEM (China) Hydrometallurgy Recycled Battery Black Mass Product Portfolios and Specifications

Table 95. GEM (China) Hydrometallurgy Recycled Battery Black Mass Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2021-2026)

Table 96. GEM (China) Main Business

Table 97. GEM (China) Latest Developments

Table 98. Umicore (Belgium) Basic Information, Hydrometallurgy Recycled Battery Black Mass Manufacturing Base, Sales Area and Its Competitors

Table 99. Umicore (Belgium) Hydrometallurgy Recycled Battery Black Mass Product Portfolios and Specifications

Table 100. Umicore (Belgium) Hydrometallurgy Recycled Battery Black Mass Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2021-2026)

Table 101. Umicore (Belgium) Main Business

Table 102. Umicore (Belgium) Latest Developments

Table 103. Redwood Materials (USA) Basic Information, Hydrometallurgy Recycled Battery Black Mass Manufacturing Base, Sales Area and Its Competitors

Table 104. Redwood Materials (USA) Hydrometallurgy Recycled Battery Black Mass Product Portfolios and Specifications

Table 105. Redwood Materials (USA) Hydrometallurgy Recycled Battery Black Mass Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2021-2026)

Table 106. Redwood Materials (USA) Main Business

Table 107. Redwood Materials (USA) Latest Developments

Table 108. Huayou Cobalt (China) Basic Information, Hydrometallurgy Recycled Battery

Black Mass Manufacturing Base, Sales Area and Its Competitors

Table 109. Huayou Cobalt (China) Hydrometallurgy Recycled Battery Black Mass Product Portfolios and Specifications

Table 110. Huayou Cobalt (China) Hydrometallurgy Recycled Battery Black Mass Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2021-2026)

Table 111. Huayou Cobalt (China) Main Business

Table 112. Huayou Cobalt (China) Latest Developments

Table 113. SungEel HiTech (South Korea) Basic Information, Hydrometallurgy Recycled Battery Black Mass Manufacturing Base, Sales Area and Its Competitors

Table 114. SungEel HiTech (South Korea) Hydrometallurgy Recycled Battery Black Mass Product Portfolios and Specifications

Table 115. SungEel HiTech (South Korea) Hydrometallurgy Recycled Battery Black Mass Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2021-2026)

Table 116. SungEel HiTech (South Korea) Main Business

Table 117. SungEel HiTech (South Korea) Latest Developments

Table 118. POSCO HY Clean Metal (South Korea) Basic Information, Hydrometallurgy Recycled Battery Black Mass Manufacturing Base, Sales Area and Its Competitors

Table 119. POSCO HY Clean Metal (South Korea) Hydrometallurgy Recycled Battery Black Mass Product Portfolios and Specifications

Table 120. POSCO HY Clean Metal (South Korea) Hydrometallurgy Recycled Battery Black Mass Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2021-2026)

Table 121. POSCO HY Clean Metal (South Korea) Main Business

Table 122. POSCO HY Clean Metal (South Korea) Latest Developments

Table 123. Hydrovolt (Norway) Basic Information, Hydrometallurgy Recycled Battery Black Mass Manufacturing Base, Sales Area and Its Competitors

Table 124. Hydrovolt (Norway) Hydrometallurgy Recycled Battery Black Mass Product Portfolios and Specifications

Table 125. Hydrovolt (Norway) Hydrometallurgy Recycled Battery Black Mass Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2021-2026)

Table 126. Hydrovolt (Norway) Main Business

Table 127. Hydrovolt (Norway) Latest Developments

Table 128. Ascend Elements (USA) Basic Information, Hydrometallurgy Recycled Battery Black Mass Manufacturing Base, Sales Area and Its Competitors

Table 129. Ascend Elements (USA) Hydrometallurgy Recycled Battery Black Mass Product Portfolios and Specifications

Table 130. Ascend Elements (USA) Hydrometallurgy Recycled Battery Black Mass Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2021-2026)

Table 131. Ascend Elements (USA) Main Business
Table 132. Ascend Elements (USA) Latest Developments
Table 133. Cirba Solutions (USA) Basic Information, Hydrometallurgy Recycled Battery Black Mass Manufacturing Base, Sales Area and Its Competitors
Table 134. Cirba Solutions (USA) Hydrometallurgy Recycled Battery Black Mass Product Portfolios and Specifications
Table 135. Cirba Solutions (USA) Hydrometallurgy Recycled Battery Black Mass Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2021-2026)
Table 136. Cirba Solutions (USA) Main Business
Table 137. Cirba Solutions (USA) Latest Developments
Table 138. Ecobat (USA) Basic Information, Hydrometallurgy Recycled Battery Black Mass Manufacturing Base, Sales Area and Its Competitors
Table 139. Ecobat (USA) Hydrometallurgy Recycled Battery Black Mass Product Portfolios and Specifications
Table 140. Ecobat (USA) Hydrometallurgy Recycled Battery Black Mass Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2021-2026)
Table 141. Ecobat (USA) Main Business
Table 142. Ecobat (USA) Latest Developments
Table 143. Fortum Battery Solutions (Finland) Basic Information, Hydrometallurgy Recycled Battery Black Mass Manufacturing Base, Sales Area and Its Competitors
Table 144. Fortum Battery Solutions (Finland) Hydrometallurgy Recycled Battery Black Mass Product Portfolios and Specifications
Table 145. Fortum Battery Solutions (Finland) Hydrometallurgy Recycled Battery Black Mass Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2021-2026)
Table 146. Fortum Battery Solutions (Finland) Main Business
Table 147. Fortum Battery Solutions (Finland) Latest Developments
Table 148. Duesenfeld (Germany) Basic Information, Hydrometallurgy Recycled Battery Black Mass Manufacturing Base, Sales Area and Its Competitors
Table 149. Duesenfeld (Germany) Hydrometallurgy Recycled Battery Black Mass Product Portfolios and Specifications
Table 150. Duesenfeld (Germany) Hydrometallurgy Recycled Battery Black Mass Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2021-2026)
Table 151. Duesenfeld (Germany) Main Business
Table 152. Duesenfeld (Germany) Latest Developments

List Of Figures

LIST OF FIGURES

- Figure 1. Picture of Hydrometallurgy Recycled Battery Black Mass
- Figure 2. Hydrometallurgy Recycled Battery Black Mass Report Years Considered
- Figure 3. Research Objectives
- Figure 4. Research Methodology
- Figure 5. Research Process and Data Source
- Figure 6. Global Hydrometallurgy Recycled Battery Black Mass Sales Growth Rate 2021-2032 (Tons)
- Figure 7. Global Hydrometallurgy Recycled Battery Black Mass Revenue Growth Rate 2021-2032 (\$ millions)
- Figure 8. Hydrometallurgy Recycled Battery Black Mass Sales by Geographic Region (2021, 2025 & 2032) & (\$ millions)
- Figure 9. Hydrometallurgy Recycled Battery Black Mass Sales Market Share by Country/Region (2025)
- Figure 10. Hydrometallurgy Recycled Battery Black Mass Sales Market Share by Country/Region (2021, 2025 & 2032)
- Figure 11. Product Picture of Ternary Lithium Cathode
- Figure 12. Product Picture of LiFePO₄ Cathode
- Figure 13. Product Picture of Others
- Figure 14. Global Hydrometallurgy Recycled Battery Black Mass Sales Market Share by Type in 2026
- Figure 15. Global Hydrometallurgy Recycled Battery Black Mass Revenue Market Share by Type (2021-2026)
- Figure 16. Product Picture of Acid-Leaching
- Figure 17. Product Picture of Bioleaching
- Figure 18. Global Hydrometallurgy Recycled Battery Black Mass Sales Market Share by Technology in 2026
- Figure 19. Global Hydrometallurgy Recycled Battery Black Mass Revenue Market Share by Technology (2021-2026)
- Figure 20. Product Picture of 2.0%?Li?3.50%
- Figure 21. Product Picture of Li?3.5%
- Figure 22. Product Picture of Others
- Figure 23. Global Hydrometallurgy Recycled Battery Black Mass Sales Market Share by Content in 2026
- Figure 24. Global Hydrometallurgy Recycled Battery Black Mass Revenue Market Share by Content (2021-2026)

- Figure 25. Hydrometallurgy Recycled Battery Black Mass Consumed in Power Battery
- Figure 26. Global Hydrometallurgy Recycled Battery Black Mass Market: Power Battery (2021-2026) & (Tons)
- Figure 27. Hydrometallurgy Recycled Battery Black Mass Consumed in Consumer Electronics Battery
- Figure 28. Global Hydrometallurgy Recycled Battery Black Mass Market: Consumer Electronics Battery (2021-2026) & (Tons)
- Figure 29. Hydrometallurgy Recycled Battery Black Mass Consumed in Energy Storage Battery
- Figure 30. Global Hydrometallurgy Recycled Battery Black Mass Market: Energy Storage Battery (2021-2026) & (Tons)
- Figure 31. Hydrometallurgy Recycled Battery Black Mass Consumed in Others
- Figure 32. Global Hydrometallurgy Recycled Battery Black Mass Market: Others (2021-2026) & (Tons)
- Figure 33. Global Hydrometallurgy Recycled Battery Black Mass Sale Market Share by Application (2025)
- Figure 34. Global Hydrometallurgy Recycled Battery Black Mass Revenue Market Share by Application in 2025
- Figure 35. Hydrometallurgy Recycled Battery Black Mass Sales by Company in 2025 (Tons)
- Figure 36. Global Hydrometallurgy Recycled Battery Black Mass Sales Market Share by Company in 2025
- Figure 37. Hydrometallurgy Recycled Battery Black Mass Revenue by Company in 2025 (\$ millions)
- Figure 38. Global Hydrometallurgy Recycled Battery Black Mass Revenue Market Share by Company in 2025
- Figure 39. Global Hydrometallurgy Recycled Battery Black Mass Sales Market Share by Geographic Region (2021-2026)
- Figure 40. Global Hydrometallurgy Recycled Battery Black Mass Revenue Market Share by Geographic Region in 2025
- Figure 41. Americas Hydrometallurgy Recycled Battery Black Mass Sales 2021-2026 (Tons)
- Figure 42. Americas Hydrometallurgy Recycled Battery Black Mass Revenue 2021-2026 (\$ millions)
- Figure 43. APAC Hydrometallurgy Recycled Battery Black Mass Sales 2021-2026 (Tons)
- Figure 44. APAC Hydrometallurgy Recycled Battery Black Mass Revenue 2021-2026 (\$ millions)
- Figure 45. Europe Hydrometallurgy Recycled Battery Black Mass Sales 2021-2026

(Tons)

Figure 46. Europe Hydrometallurgy Recycled Battery Black Mass Revenue 2021-2026 (\$ millions)

Figure 47. Middle East & Africa Hydrometallurgy Recycled Battery Black Mass Sales 2021-2026 (Tons)

Figure 48. Middle East & Africa Hydrometallurgy Recycled Battery Black Mass Revenue 2021-2026 (\$ millions)

Figure 49. Americas Hydrometallurgy Recycled Battery Black Mass Sales Market Share by Country in 2025

Figure 50. Americas Hydrometallurgy Recycled Battery Black Mass Revenue Market Share by Country (2021-2026)

Figure 51. Americas Hydrometallurgy Recycled Battery Black Mass Sales Market Share by Type (2021-2026)

Figure 52. Americas Hydrometallurgy Recycled Battery Black Mass Sales Market Share by Application (2021-2026)

Figure 53. United States Hydrometallurgy Recycled Battery Black Mass Revenue Growth 2021-2026 (\$ millions)

Figure 54. Canada Hydrometallurgy Recycled Battery Black Mass Revenue Growth 2021-2026 (\$ millions)

Figure 55. Mexico Hydrometallurgy Recycled Battery Black Mass Revenue Growth 2021-2026 (\$ millions)

Figure 56. Brazil Hydrometallurgy Recycled Battery Black Mass Revenue Growth 2021-2026 (\$ millions)

Figure 57. APAC Hydrometallurgy Recycled Battery Black Mass Sales Market Share by Region in 2025

Figure 58. APAC Hydrometallurgy Recycled Battery Black Mass Revenue Market Share by Region (2021-2026)

Figure 59. APAC Hydrometallurgy Recycled Battery Black Mass Sales Market Share by Type (2021-2026)

Figure 60. APAC Hydrometallurgy Recycled Battery Black Mass Sales Market Share by Application (2021-2026)

Figure 61. China Hydrometallurgy Recycled Battery Black Mass Revenue Growth 2021-2026 (\$ millions)

Figure 62. Japan Hydrometallurgy Recycled Battery Black Mass Revenue Growth 2021-2026 (\$ millions)

Figure 63. South Korea Hydrometallurgy Recycled Battery Black Mass Revenue Growth 2021-2026 (\$ millions)

Figure 64. Southeast Asia Hydrometallurgy Recycled Battery Black Mass Revenue Growth 2021-2026 (\$ millions)

Figure 65. India Hydrometallurgy Recycled Battery Black Mass Revenue Growth 2021-2026 (\$ millions)

Figure 66. Australia Hydrometallurgy Recycled Battery Black Mass Revenue Growth 2021-2026 (\$ millions)

Figure 67. China Taiwan Hydrometallurgy Recycled Battery Black Mass Revenue Growth 2021-2026 (\$ millions)

Figure 68. Europe Hydrometallurgy Recycled Battery Black Mass Sales Market Share by Country in 2025

Figure 69. Europe Hydrometallurgy Recycled Battery Black Mass Revenue Market Share by Country (2021-2026)

Figure 70. Europe Hydrometallurgy Recycled Battery Black Mass Sales Market Share by Type (2021-2026)

Figure 71. Europe Hydrometallurgy Recycled Battery Black Mass Sales Market Share by Application (2021-2026)

Figure 72. Germany Hydrometallurgy Recycled Battery Black Mass Revenue Growth 2021-2026 (\$ millions)

Figure 73. France Hydrometallurgy Recycled Battery Black Mass Revenue Growth 2021-2026 (\$ millions)

Figure 74. UK Hydrometallurgy Recycled Battery Black Mass Revenue Growth 2021-2026 (\$ millions)

Figure 75. Italy Hydrometallurgy Recycled Battery Black Mass Revenue Growth 2021-2026 (\$ millions)

Figure 76. Russia Hydrometallurgy Recycled Battery Black Mass Revenue Growth 2021-2026 (\$ millions)

Figure 77. Middle East & Africa Hydrometallurgy Recycled Battery Black Mass Sales Market Share by Country (2021-2026)

Figure 78. Middle East & Africa Hydrometallurgy Recycled Battery Black Mass Sales Market Share by Type (2021-2026)

Figure 79. Middle East & Africa Hydrometallurgy Recycled Battery Black Mass Sales Market Share by Application (2021-2026)

Figure 80. Egypt Hydrometallurgy Recycled Battery Black Mass Revenue Growth 2021-2026 (\$ millions)

Figure 81. South Africa Hydrometallurgy Recycled Battery Black Mass Revenue Growth 2021-2026 (\$ millions)

Figure 82. Israel Hydrometallurgy Recycled Battery Black Mass Revenue Growth 2021-2026 (\$ millions)

Figure 83. Turkey Hydrometallurgy Recycled Battery Black Mass Revenue Growth 2021-2026 (\$ millions)

Figure 84. GCC Countries Hydrometallurgy Recycled Battery Black Mass Revenue

Growth 2021-2026 (\$ millions)

Figure 85. Manufacturing Cost Structure Analysis of Hydrometallurgy Recycled Battery Black Mass in 2026

Figure 86. Manufacturing Process Analysis of Hydrometallurgy Recycled Battery Black Mass

Figure 87. Industry Chain Structure of Hydrometallurgy Recycled Battery Black Mass

Figure 88. Channels of Distribution

Figure 89. Global Hydrometallurgy Recycled Battery Black Mass Sales Market Forecast by Region (2027-2032)

Figure 90. Global Hydrometallurgy Recycled Battery Black Mass Revenue Market Share Forecast by Region (2027-2032)

Figure 91. Global Hydrometallurgy Recycled Battery Black Mass Sales Market Share Forecast by Type (2027-2032)

Figure 92. Global Hydrometallurgy Recycled Battery Black Mass Revenue Market Share Forecast by Type (2027-2032)

Figure 93. Global Hydrometallurgy Recycled Battery Black Mass Sales Market Share Forecast by Application (2027-2032)

Figure 94. Global Hydrometallurgy Recycled Battery Black Mass Revenue Market Share Forecast by Application (2027-2032)

I would like to order

Product name: Global Hydrometallurgy Recycled Battery Black Mass Market Growth 2026-2032

Product link: <https://marketpublishers.com/r/G92E56FD7F5AEN.html>

Price: US\$ 3,660.00 (Single User License / Electronic Delivery)

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

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G92E56FD7F5AEN.html>