

# Global Recycling of Lead-acid Battery Market 2026 by Company, Regions, Type and Application, Forecast to 2032

<https://marketpublishers.com/r/GF4FF88354E4EN.html>

Date: January 2026

Pages: 108

Price: US\$ 3,480.00 (Single User License)

ID: GF4FF88354E4EN

## Abstracts

According to our (Global Info Research) latest study, the global Recycling of Lead-acid Battery market size was valued at US\$ 961 million in 2025 and is forecast to a readjusted size of US\$ 1303 million by 2032 with a CAGR of 3.1% during review period.

Recycling of Lead-acid Battery refers to the process of dismantling, separating, and regenerating failed or discarded lead-acid batteries using physical, chemical, and metallurgical techniques. The core objective is to extract materials such as lead, plastics, and sulfuric acid from the batteries, achieving the dual value of 'resource recycling + pollution control.' The technology encompasses pyrometallurgy, hydrometallurgy, and electrolysis, achieving lead recovery rates exceeding 95%. Plastic casings are recycled through crushing and reused in building materials, while sulfuric acid, after neutralization, is used as an industrial raw material. The industry's gross profit margin is approximately 25-35%.

Almost all parts of a lead-acid battery are recyclable. The recycling process includes battery collection, transportation to recycling plants, disassembling battery components, and smelting and refining lead-containing parts. Plastic components can be cleaned, then crushed or melted for use in manufacturing new products. Sulfuric acid electrolyte can be purified or treated before disposal or recycling.

Market drivers primarily include:

Mandatory policy promotion and subsidy incentives. Many countries globally have legislated mandatory lead-acid battery recycling (such as China's 'Technical Policy for the Prevention and Control of Waste Battery Pollution'), coupled with tax breaks and

subsidies to reduce recycling costs for companies. For example, the EU's Battery Regulation requires a 70% recycling rate by 2030, forcing companies to establish recycling networks.

Downstream application scenarios continue to expand. The surge in demand for backup power from emerging fields such as 5G base stations and data centers is driving growth in industrial lead-acid battery production; increased renewable energy installations are boosting demand for energy storage battery recycling; and the low-speed electric vehicle market is expanding into third- and fourth-tier cities, further increasing the recycling base.

The deepening of the circular economy concept and cost advantages: Lead-acid batteries have a lower life-cycle cost than lithium batteries (which require 3-4 replacements), and their recycling cost is only one-third that of lithium batteries, making them difficult to replace in cost-sensitive markets (such as backup power and low-speed electric vehicles). Companies are reducing user replacement costs through 'trade-in' models while using recycled lead to stabilize the supply chain, forming a closed loop of 'production-recycling-regeneration'.

This report is a detailed and comprehensive analysis for global Recycling of Lead-acid Battery market. Both quantitative and qualitative analyses are presented by company, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

### **Key Features:**

Global Recycling of Lead-acid Battery market size and forecasts, in consumption value (\$ Million), 2021-2032

Global Recycling of Lead-acid Battery market size and forecasts by region and country, in consumption value (\$ Million), 2021-2032

Global Recycling of Lead-acid Battery market size and forecasts, by Type and by Application, in consumption value (\$ Million), 2021-2032

Global Recycling of Lead-acid Battery market shares of main players, in revenue (\$

Million), 2021-2026

### **The Primary Objectives in This Report Are:**

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Recycling of Lead-acid Battery

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Recycling of Lead-acid Battery market based on the following parameters - company overview, revenue, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include GEM, Guangdong Brunp(CATL), HPJ, SungEel HiTech, Anhua Taisen Recycling, GHTECH, Retrieval Technologies, Batrec, Tes-Amm(Recupyl), Duesenfeld, etc.

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

### **Market segmentation**

Recycling of Lead-acid Battery market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for Consumption Value by Type and by Application. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Echelon Utilization

Raw Material Recycling

Market segment by Technology

Pyrometallurgy

Hydrometallurgy

Electrolysis

#### Market segment by Functional Category

Resource Recycling Type

Environmentally Friendly Treatment Type

Special Recycling Type

#### Market segment by Application

Automotive

Digital Electronics

Others

#### Market segment by players, this report covers

GEM

Guangdong Brunp(CATL)

HPJ

SungEel HiTech

Anhua Taisen Recycling

GHTECH

Retriev Technologies

Batrec

Tes-Amm(Recupyl)

Duesenfeld

4R Energy Corp

OnTo Technology

Market segment by regions, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, UK, Russia, Italy and Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia and Rest of Asia-Pacific)

South America (Brazil, Rest of South America)

Middle East & Africa (Turkey, Saudi Arabia, UAE, Rest of Middle East & Africa)

**The content of the study subjects, includes a total of 13 chapters:**

Chapter 1, to describe Recycling of Lead-acid Battery product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top players of Recycling of Lead-acid Battery, with revenue, gross margin, and global market share of Recycling of Lead-acid Battery from 2021 to 2026.

Chapter 3, the Recycling of Lead-acid Battery competitive situation, revenue, and global market share of top players are analyzed emphatically by landscape contrast.

Chapter 4 and 5, to segment the market size by Type and by Application, with consumption value and growth rate by Type, by Application, from 2021 to 2032.

Chapter 6, 7, 8, 9, and 10, to break the market size data at the country level, with revenue and market share for key countries in the world, from 2021 to 2026. and Recycling of Lead-acid Battery market forecast, by regions, by Type and by Application, with consumption value, from 2027 to 2032.

Chapter 11, market dynamics, drivers, restraints, trends, Porters Five Forces analysis.

Chapter 12, the key raw materials and key suppliers, and industry chain of Recycling of Lead-acid Battery.

Chapter 13, to describe Recycling of Lead-acid Battery research findings and conclusion.

## Contents

### 1 MARKET OVERVIEW

1.1 Product Overview and Scope

1.2 Market Estimation Caveats and Base Year

1.3 Classification of Recycling of Lead-acid Battery by Type

1.3.1 Overview: Global Recycling of Lead-acid Battery Market Size by Type: 2021 Versus 2025 Versus 2032

1.3.2 Global Recycling of Lead-acid Battery Consumption Value Market Share by Type in 2025

1.3.3 Echelon Utilization

1.3.4 Raw Material Recycling

1.4 Classification of Recycling of Lead-acid Battery by Technology

1.4.1 Overview: Global Recycling of Lead-acid Battery Market Size by Technology: 2021 Versus 2025 Versus 2032

1.4.2 Global Recycling of Lead-acid Battery Consumption Value Market Share by Technology in 2025

1.4.3 Pyrometallurgy

1.4.4 Hydrometallurgy

1.4.5 Electrolysis

1.5 Classification of Recycling of Lead-acid Battery by Functional Category

1.5.1 Overview: Global Recycling of Lead-acid Battery Market Size by Functional Category: 2021 Versus 2025 Versus 2032

1.5.2 Global Recycling of Lead-acid Battery Consumption Value Market Share by Functional Category in 2025

1.5.3 Resource Recycling Type

1.5.4 Environmentally Friendly Treatment Type

1.5.5 Special Recycling Type

1.6 Global Recycling of Lead-acid Battery Market by Application

1.6.1 Overview: Global Recycling of Lead-acid Battery Market Size by Application: 2021 Versus 2025 Versus 2032

1.6.2 Automotive

1.6.3 Digital Electronics

1.6.4 Others

1.7 Global Recycling of Lead-acid Battery Market Size & Forecast

1.8 Global Recycling of Lead-acid Battery Market Size and Forecast by Region

1.8.1 Global Recycling of Lead-acid Battery Market Size by Region: 2021 VS 2025 VS 2032

- 1.8.2 Global Recycling of Lead-acid Battery Market Size by Region, (2021-2032)
- 1.8.3 North America Recycling of Lead-acid Battery Market Size and Prospect (2021-2032)
- 1.8.4 Europe Recycling of Lead-acid Battery Market Size and Prospect (2021-2032)
- 1.8.5 Asia-Pacific Recycling of Lead-acid Battery Market Size and Prospect (2021-2032)
- 1.8.6 South America Recycling of Lead-acid Battery Market Size and Prospect (2021-2032)
- 1.8.7 Middle East & Africa Recycling of Lead-acid Battery Market Size and Prospect (2021-2032)

## **2 COMPANY PROFILES**

### **2.1 GEM**

- 2.1.1 GEM Details
- 2.1.2 GEM Major Business
- 2.1.3 GEM Recycling of Lead-acid Battery Product and Solutions
- 2.1.4 GEM Recycling of Lead-acid Battery Revenue, Gross Margin and Market Share (2021-2026)
- 2.1.5 GEM Recent Developments and Future Plans

### **2.2 Guangdong Brunp(CATL)**

- 2.2.1 Guangdong Brunp(CATL) Details
- 2.2.2 Guangdong Brunp(CATL) Major Business
- 2.2.3 Guangdong Brunp(CATL) Recycling of Lead-acid Battery Product and Solutions
- 2.2.4 Guangdong Brunp(CATL) Recycling of Lead-acid Battery Revenue, Gross Margin and Market Share (2021-2026)
- 2.2.5 Guangdong Brunp(CATL) Recent Developments and Future Plans

### **2.3 HPJ**

- 2.3.1 HPJ Details
- 2.3.2 HPJ Major Business
- 2.3.3 HPJ Recycling of Lead-acid Battery Product and Solutions
- 2.3.4 HPJ Recycling of Lead-acid Battery Revenue, Gross Margin and Market Share (2021-2026)
- 2.3.5 HPJ Recent Developments and Future Plans

### **2.4 SungEel HiTech**

- 2.4.1 SungEel HiTech Details
- 2.4.2 SungEel HiTech Major Business
- 2.4.3 SungEel HiTech Recycling of Lead-acid Battery Product and Solutions
- 2.4.4 SungEel HiTech Recycling of Lead-acid Battery Revenue, Gross Margin and

## Market Share (2021-2026)

### 2.4.5 SungEel HiTech Recent Developments and Future Plans

## 2.5 Anhua Taisen Recycling

### 2.5.1 Anhua Taisen Recycling Details

### 2.5.2 Anhua Taisen Recycling Major Business

### 2.5.3 Anhua Taisen Recycling Recycling of Lead-acid Battery Product and Solutions

### 2.5.4 Anhua Taisen Recycling Recycling of Lead-acid Battery Revenue, Gross Margin and Market Share (2021-2026)

### 2.5.5 Anhua Taisen Recycling Recent Developments and Future Plans

## 2.6 GHTECH

### 2.6.1 GHTECH Details

### 2.6.2 GHTECH Major Business

### 2.6.3 GHTECH Recycling of Lead-acid Battery Product and Solutions

### 2.6.4 GHTECH Recycling of Lead-acid Battery Revenue, Gross Margin and Market Share (2021-2026)

### 2.6.5 GHTECH Recent Developments and Future Plans

## 2.7 Retriev Technologies

### 2.7.1 Retriev Technologies Details

### 2.7.2 Retriev Technologies Major Business

### 2.7.3 Retriev Technologies Recycling of Lead-acid Battery Product and Solutions

### 2.7.4 Retriev Technologies Recycling of Lead-acid Battery Revenue, Gross Margin and Market Share (2021-2026)

### 2.7.5 Retriev Technologies Recent Developments and Future Plans

## 2.8 Batrec

### 2.8.1 Batrec Details

### 2.8.2 Batrec Major Business

### 2.8.3 Batrec Recycling of Lead-acid Battery Product and Solutions

### 2.8.4 Batrec Recycling of Lead-acid Battery Revenue, Gross Margin and Market Share (2021-2026)

### 2.8.5 Batrec Recent Developments and Future Plans

## 2.9 Tes-Amm(Recupyl)

### 2.9.1 Tes-Amm(Recupyl) Details

### 2.9.2 Tes-Amm(Recupyl) Major Business

### 2.9.3 Tes-Amm(Recupyl) Recycling of Lead-acid Battery Product and Solutions

### 2.9.4 Tes-Amm(Recupyl) Recycling of Lead-acid Battery Revenue, Gross Margin and Market Share (2021-2026)

### 2.9.5 Tes-Amm(Recupyl) Recent Developments and Future Plans

## 2.10 Duesenfeld

### 2.10.1 Duesenfeld Details

- 2.10.2 Duesenfeld Major Business
- 2.10.3 Duesenfeld Recycling of Lead-acid Battery Product and Solutions
- 2.10.4 Duesenfeld Recycling of Lead-acid Battery Revenue, Gross Margin and Market Share (2021-2026)
- 2.10.5 Duesenfeld Recent Developments and Future Plans
- 2.11 4R Energy Corp
  - 2.11.1 4R Energy Corp Details
  - 2.11.2 4R Energy Corp Major Business
  - 2.11.3 4R Energy Corp Recycling of Lead-acid Battery Product and Solutions
  - 2.11.4 4R Energy Corp Recycling of Lead-acid Battery Revenue, Gross Margin and Market Share (2021-2026)
  - 2.11.5 4R Energy Corp Recent Developments and Future Plans
- 2.12 OnTo Technology
  - 2.12.1 OnTo Technology Details
  - 2.12.2 OnTo Technology Major Business
  - 2.12.3 OnTo Technology Recycling of Lead-acid Battery Product and Solutions
  - 2.12.4 OnTo Technology Recycling of Lead-acid Battery Revenue, Gross Margin and Market Share (2021-2026)
  - 2.12.5 OnTo Technology Recent Developments and Future Plans

### **3 MARKET COMPETITION, BY PLAYERS**

- 3.1 Global Recycling of Lead-acid Battery Revenue and Share by Players (2021-2026)
- 3.2 Market Share Analysis (2025)
  - 3.2.1 Market Share of Recycling of Lead-acid Battery by Company Revenue
  - 3.2.2 Top 3 Recycling of Lead-acid Battery Players Market Share in 2025
  - 3.2.3 Top 6 Recycling of Lead-acid Battery Players Market Share in 2025
- 3.3 Recycling of Lead-acid Battery Market: Overall Company Footprint Analysis
  - 3.3.1 Recycling of Lead-acid Battery Market: Region Footprint
  - 3.3.2 Recycling of Lead-acid Battery Market: Company Product Type Footprint
  - 3.3.3 Recycling of Lead-acid Battery Market: Company Product Application Footprint
- 3.4 New Market Entrants and Barriers to Market Entry
- 3.5 Mergers, Acquisition, Agreements, and Collaborations

### **4 MARKET SIZE SEGMENT BY TYPE**

- 4.1 Global Recycling of Lead-acid Battery Consumption Value and Market Share by Type (2021-2026)
- 4.2 Global Recycling of Lead-acid Battery Market Forecast by Type (2027-2032)

## **5 MARKET SIZE SEGMENT BY APPLICATION**

5.1 Global Recycling of Lead-acid Battery Consumption Value Market Share by Application (2021-2026)

5.2 Global Recycling of Lead-acid Battery Market Forecast by Application (2027-2032)

## **6 NORTH AMERICA**

6.1 North America Recycling of Lead-acid Battery Consumption Value by Type (2021-2032)

6.2 North America Recycling of Lead-acid Battery Market Size by Application (2021-2032)

6.3 North America Recycling of Lead-acid Battery Market Size by Country

6.3.1 North America Recycling of Lead-acid Battery Consumption Value by Country (2021-2032)

6.3.2 United States Recycling of Lead-acid Battery Market Size and Forecast (2021-2032)

6.3.3 Canada Recycling of Lead-acid Battery Market Size and Forecast (2021-2032)

6.3.4 Mexico Recycling of Lead-acid Battery Market Size and Forecast (2021-2032)

## **7 EUROPE**

7.1 Europe Recycling of Lead-acid Battery Consumption Value by Type (2021-2032)

7.2 Europe Recycling of Lead-acid Battery Consumption Value by Application (2021-2032)

7.3 Europe Recycling of Lead-acid Battery Market Size by Country

7.3.1 Europe Recycling of Lead-acid Battery Consumption Value by Country (2021-2032)

7.3.2 Germany Recycling of Lead-acid Battery Market Size and Forecast (2021-2032)

7.3.3 France Recycling of Lead-acid Battery Market Size and Forecast (2021-2032)

7.3.4 United Kingdom Recycling of Lead-acid Battery Market Size and Forecast (2021-2032)

7.3.5 Russia Recycling of Lead-acid Battery Market Size and Forecast (2021-2032)

7.3.6 Italy Recycling of Lead-acid Battery Market Size and Forecast (2021-2032)

## **8 ASIA-PACIFIC**

8.1 Asia-Pacific Recycling of Lead-acid Battery Consumption Value by Type

(2021-2032)

8.2 Asia-Pacific Recycling of Lead-acid Battery Consumption Value by Application  
(2021-2032)

8.3 Asia-Pacific Recycling of Lead-acid Battery Market Size by Region

8.3.1 Asia-Pacific Recycling of Lead-acid Battery Consumption Value by Region  
(2021-2032)

8.3.2 China Recycling of Lead-acid Battery Market Size and Forecast (2021-2032)

8.3.3 Japan Recycling of Lead-acid Battery Market Size and Forecast (2021-2032)

8.3.4 South Korea Recycling of Lead-acid Battery Market Size and Forecast  
(2021-2032)

8.3.5 India Recycling of Lead-acid Battery Market Size and Forecast (2021-2032)

8.3.6 Southeast Asia Recycling of Lead-acid Battery Market Size and Forecast  
(2021-2032)

8.3.7 Australia Recycling of Lead-acid Battery Market Size and Forecast (2021-2032)

## **9 SOUTH AMERICA**

9.1 South America Recycling of Lead-acid Battery Consumption Value by Type  
(2021-2032)

9.2 South America Recycling of Lead-acid Battery Consumption Value by Application  
(2021-2032)

9.3 South America Recycling of Lead-acid Battery Market Size by Country

9.3.1 South America Recycling of Lead-acid Battery Consumption Value by Country  
(2021-2032)

9.3.2 Brazil Recycling of Lead-acid Battery Market Size and Forecast (2021-2032)

9.3.3 Argentina Recycling of Lead-acid Battery Market Size and Forecast (2021-2032)

## **10 MIDDLE EAST & AFRICA**

10.1 Middle East & Africa Recycling of Lead-acid Battery Consumption Value by Type  
(2021-2032)

10.2 Middle East & Africa Recycling of Lead-acid Battery Consumption Value by  
Application (2021-2032)

10.3 Middle East & Africa Recycling of Lead-acid Battery Market Size by Country

10.3.1 Middle East & Africa Recycling of Lead-acid Battery Consumption Value by  
Country (2021-2032)

10.3.2 Turkey Recycling of Lead-acid Battery Market Size and Forecast (2021-2032)

10.3.3 Saudi Arabia Recycling of Lead-acid Battery Market Size and Forecast  
(2021-2032)

#### 10.3.4 UAE Recycling of Lead-acid Battery Market Size and Forecast (2021-2032)

### **11 MARKET DYNAMICS**

- 11.1 Recycling of Lead-acid Battery Market Drivers
- 11.2 Recycling of Lead-acid Battery Market Restraints
- 11.3 Recycling of Lead-acid Battery Trends Analysis
- 11.4 Porters Five Forces Analysis
  - 11.4.1 Threat of New Entrants
  - 11.4.2 Bargaining Power of Suppliers
  - 11.4.3 Bargaining Power of Buyers
  - 11.4.4 Threat of Substitutes
  - 11.4.5 Competitive Rivalry

### **12 INDUSTRY CHAIN ANALYSIS**

- 12.1 Recycling of Lead-acid Battery Industry Chain
- 12.2 Recycling of Lead-acid Battery Upstream Analysis
- 12.3 Recycling of Lead-acid Battery Midstream Analysis
- 12.4 Recycling of Lead-acid Battery Downstream Analysis

### **13 RESEARCH FINDINGS AND CONCLUSION**

### **14 APPENDIX**

- 14.1 Methodology
- 14.2 Research Process and Data Source
- 14.3 Disclaimer

## List Of Tables

### LIST OF TABLES

Table 1. Global Recycling of Lead-acid Battery Consumption Value by Type, (USD Million), 2021 & 2025 & 2032

Table 2. Global Recycling of Lead-acid Battery Consumption Value by Technology, (USD Million), 2021 & 2025 & 2032

Table 3. Global Recycling of Lead-acid Battery Consumption Value by Functional Category, (USD Million), 2021 & 2025 & 2032

Table 4. Global Recycling of Lead-acid Battery Consumption Value by Application, (USD Million), 2021 & 2025 & 2032

Table 5. Global Recycling of Lead-acid Battery Consumption Value by Region (2021-2026) & (USD Million)

Table 6. Global Recycling of Lead-acid Battery Consumption Value by Region (2027-2032) & (USD Million)

Table 7. GEM Company Information, Head Office, and Major Competitors

Table 8. GEM Major Business

Table 9. GEM Recycling of Lead-acid Battery Product and Solutions

Table 10. GEM Recycling of Lead-acid Battery Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 11. GEM Recent Developments and Future Plans

Table 12. Guangdong Brunp(CATL) Company Information, Head Office, and Major Competitors

Table 13. Guangdong Brunp(CATL) Major Business

Table 14. Guangdong Brunp(CATL) Recycling of Lead-acid Battery Product and Solutions

Table 15. Guangdong Brunp(CATL) Recycling of Lead-acid Battery Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 16. Guangdong Brunp(CATL) Recent Developments and Future Plans

Table 17. HPJ Company Information, Head Office, and Major Competitors

Table 18. HPJ Major Business

Table 19. HPJ Recycling of Lead-acid Battery Product and Solutions

Table 20. HPJ Recycling of Lead-acid Battery Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 21. SungEel HiTech Company Information, Head Office, and Major Competitors

Table 22. SungEel HiTech Major Business

Table 23. SungEel HiTech Recycling of Lead-acid Battery Product and Solutions

Table 24. SungEel HiTech Recycling of Lead-acid Battery Revenue (USD Million),

**Gross Margin and Market Share (2021-2026)**

Table 25. SungEel HiTech Recent Developments and Future Plans

Table 26. Anhua Taisen Recycling Company Information, Head Office, and Major Competitors

Table 27. Anhua Taisen Recycling Major Business

Table 28. Anhua Taisen Recycling Recycling of Lead-acid Battery Product and Solutions

Table 29. Anhua Taisen Recycling Recycling of Lead-acid Battery Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 30. Anhua Taisen Recycling Recent Developments and Future Plans

Table 31. GHTECH Company Information, Head Office, and Major Competitors

Table 32. GHTECH Major Business

Table 33. GHTECH Recycling of Lead-acid Battery Product and Solutions

Table 34. GHTECH Recycling of Lead-acid Battery Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 35. GHTECH Recent Developments and Future Plans

Table 36. Retriev Technologies Company Information, Head Office, and Major Competitors

Table 37. Retriev Technologies Major Business

Table 38. Retriev Technologies Recycling of Lead-acid Battery Product and Solutions

Table 39. Retriev Technologies Recycling of Lead-acid Battery Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 40. Retriev Technologies Recent Developments and Future Plans

Table 41. Batrec Company Information, Head Office, and Major Competitors

Table 42. Batrec Major Business

Table 43. Batrec Recycling of Lead-acid Battery Product and Solutions

Table 44. Batrec Recycling of Lead-acid Battery Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 45. Batrec Recent Developments and Future Plans

Table 46. Tes-Amm(Recupyl) Company Information, Head Office, and Major Competitors

Table 47. Tes-Amm(Recupyl) Major Business

Table 48. Tes-Amm(Recupyl) Recycling of Lead-acid Battery Product and Solutions

Table 49. Tes-Amm(Recupyl) Recycling of Lead-acid Battery Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 50. Tes-Amm(Recupyl) Recent Developments and Future Plans

Table 51. Duesenfeld Company Information, Head Office, and Major Competitors

Table 52. Duesenfeld Major Business

Table 53. Duesenfeld Recycling of Lead-acid Battery Product and Solutions

Table 54. Duesenfeld Recycling of Lead-acid Battery Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 55. Duesenfeld Recent Developments and Future Plans

Table 56. 4R Energy Corp Company Information, Head Office, and Major Competitors

Table 57. 4R Energy Corp Major Business

Table 58. 4R Energy Corp Recycling of Lead-acid Battery Product and Solutions

Table 59. 4R Energy Corp Recycling of Lead-acid Battery Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 60. 4R Energy Corp Recent Developments and Future Plans

Table 61. OnTo Technology Company Information, Head Office, and Major Competitors

Table 62. OnTo Technology Major Business

Table 63. OnTo Technology Recycling of Lead-acid Battery Product and Solutions

Table 64. OnTo Technology Recycling of Lead-acid Battery Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 65. OnTo Technology Recent Developments and Future Plans

Table 66. Global Recycling of Lead-acid Battery Revenue (USD Million) by Players (2021-2026)

Table 67. Global Recycling of Lead-acid Battery Revenue Share by Players (2021-2026)

Table 68. Breakdown of Recycling of Lead-acid Battery by Company Type (Tier 1, Tier 2, and Tier 3)

Table 69. Market Position of Players in Recycling of Lead-acid Battery, (Tier 1, Tier 2, and Tier 3), Based on Revenue in 2025

Table 70. Head Office of Key Recycling of Lead-acid Battery Players

Table 71. Recycling of Lead-acid Battery Market: Company Product Type Footprint

Table 72. Recycling of Lead-acid Battery Market: Company Product Application Footprint

Table 73. Recycling of Lead-acid Battery New Market Entrants and Barriers to Market Entry

Table 74. Recycling of Lead-acid Battery Mergers, Acquisition, Agreements, and Collaborations

Table 75. Global Recycling of Lead-acid Battery Consumption Value (USD Million) by Type (2021-2026)

Table 76. Global Recycling of Lead-acid Battery Consumption Value Share by Type (2021-2026)

Table 77. Global Recycling of Lead-acid Battery Consumption Value Forecast by Type (2027-2032)

Table 78. Global Recycling of Lead-acid Battery Consumption Value by Application (2021-2026)

Table 79. Global Recycling of Lead-acid Battery Consumption Value Forecast by Application (2027-2032)

Table 80. North America Recycling of Lead-acid Battery Consumption Value by Type (2021-2026) & (USD Million)

Table 81. North America Recycling of Lead-acid Battery Consumption Value by Type (2027-2032) & (USD Million)

Table 82. North America Recycling of Lead-acid Battery Consumption Value by Application (2021-2026) & (USD Million)

Table 83. North America Recycling of Lead-acid Battery Consumption Value by Application (2027-2032) & (USD Million)

Table 84. North America Recycling of Lead-acid Battery Consumption Value by Country (2021-2026) & (USD Million)

Table 85. North America Recycling of Lead-acid Battery Consumption Value by Country (2027-2032) & (USD Million)

Table 86. Europe Recycling of Lead-acid Battery Consumption Value by Type (2021-2026) & (USD Million)

Table 87. Europe Recycling of Lead-acid Battery Consumption Value by Type (2027-2032) & (USD Million)

Table 88. Europe Recycling of Lead-acid Battery Consumption Value by Application (2021-2026) & (USD Million)

Table 89. Europe Recycling of Lead-acid Battery Consumption Value by Application (2027-2032) & (USD Million)

Table 90. Europe Recycling of Lead-acid Battery Consumption Value by Country (2021-2026) & (USD Million)

Table 91. Europe Recycling of Lead-acid Battery Consumption Value by Country (2027-2032) & (USD Million)

Table 92. Asia-Pacific Recycling of Lead-acid Battery Consumption Value by Type (2021-2026) & (USD Million)

Table 93. Asia-Pacific Recycling of Lead-acid Battery Consumption Value by Type (2027-2032) & (USD Million)

Table 94. Asia-Pacific Recycling of Lead-acid Battery Consumption Value by Application (2021-2026) & (USD Million)

Table 95. Asia-Pacific Recycling of Lead-acid Battery Consumption Value by Application (2027-2032) & (USD Million)

Table 96. Asia-Pacific Recycling of Lead-acid Battery Consumption Value by Region (2021-2026) & (USD Million)

Table 97. Asia-Pacific Recycling of Lead-acid Battery Consumption Value by Region (2027-2032) & (USD Million)

Table 98. South America Recycling of Lead-acid Battery Consumption Value by Type

(2021-2026) & (USD Million)

Table 99. South America Recycling of Lead-acid Battery Consumption Value by Type (2027-2032) & (USD Million)

Table 100. South America Recycling of Lead-acid Battery Consumption Value by Application (2021-2026) & (USD Million)

Table 101. South America Recycling of Lead-acid Battery Consumption Value by Application (2027-2032) & (USD Million)

Table 102. South America Recycling of Lead-acid Battery Consumption Value by Country (2021-2026) & (USD Million)

Table 103. South America Recycling of Lead-acid Battery Consumption Value by Country (2027-2032) & (USD Million)

Table 104. Middle East & Africa Recycling of Lead-acid Battery Consumption Value by Type (2021-2026) & (USD Million)

Table 105. Middle East & Africa Recycling of Lead-acid Battery Consumption Value by Type (2027-2032) & (USD Million)

Table 106. Middle East & Africa Recycling of Lead-acid Battery Consumption Value by Application (2021-2026) & (USD Million)

Table 107. Middle East & Africa Recycling of Lead-acid Battery Consumption Value by Application (2027-2032) & (USD Million)

Table 108. Middle East & Africa Recycling of Lead-acid Battery Consumption Value by Country (2021-2026) & (USD Million)

Table 109. Middle East & Africa Recycling of Lead-acid Battery Consumption Value by Country (2027-2032) & (USD Million)

Table 110. Global Key Players of Recycling of Lead-acid Battery Upstream (Raw Materials)

Table 111. Global Recycling of Lead-acid Battery Typical Customers

## List Of Figures

### LIST OF FIGURES

Figure 1. Recycling of Lead-acid Battery Picture

Figure 2. Global Recycling of Lead-acid Battery Consumption Value by Type, (USD Million), 2021 & 2025 & 2032

Figure 3. Global Recycling of Lead-acid Battery Consumption Value Market Share by Type in 2025

Figure 4. Echelon Utilization

Figure 5. Raw Material Recycling

Figure 6. Global Recycling of Lead-acid Battery Consumption Value by Technology, (USD Million), 2021 & 2025 & 2032

Figure 7. Global Recycling of Lead-acid Battery Consumption Value Market Share by Technology in 2025

Figure 8. Pyrometallurgy

Figure 9. Hydrometallurgy

Figure 10. Electrolysis

Figure 11. Global Recycling of Lead-acid Battery Consumption Value by Functional Category, (USD Million), 2021 & 2025 & 2032

Figure 12. Global Recycling of Lead-acid Battery Consumption Value Market Share by Functional Category in 2025

Figure 13. Resource Recycling Type

Figure 14. Environmentally Friendly Treatment Type

Figure 15. Special Recycling Type

Figure 16. Global Recycling of Lead-acid Battery Consumption Value by Application, (USD Million), 2021 & 2025 & 2032

Figure 17. Recycling of Lead-acid Battery Consumption Value Market Share by Application in 2025

Figure 18. Automotive Picture

Figure 19. Digital Electronics Picture

Figure 20. Others Picture

Figure 21. Global Recycling of Lead-acid Battery Consumption Value, (USD Million): 2021 & 2025 & 2032

Figure 22. Global Recycling of Lead-acid Battery Consumption Value and Forecast (2021-2032) & (USD Million)

Figure 23. Global Market Recycling of Lead-acid Battery Consumption Value (USD Million) Comparison by Region (2021 VS 2025 VS 2032)

Figure 24. Global Recycling of Lead-acid Battery Consumption Value Market Share by

Region (2021-2032)

Figure 25. Global Recycling of Lead-acid Battery Consumption Value Market Share by Region in 2025

Figure 26. North America Recycling of Lead-acid Battery Consumption Value (2021-2032) & (USD Million)

Figure 27. Europe Recycling of Lead-acid Battery Consumption Value (2021-2032) & (USD Million)

Figure 28. Asia-Pacific Recycling of Lead-acid Battery Consumption Value (2021-2032) & (USD Million)

Figure 29. South America Recycling of Lead-acid Battery Consumption Value (2021-2032) & (USD Million)

Figure 30. Middle East & Africa Recycling of Lead-acid Battery Consumption Value (2021-2032) & (USD Million)

Figure 31. Company Three Recent Developments and Future Plans

Figure 32. Global Recycling of Lead-acid Battery Revenue Share by Players in 2025

Figure 33. Recycling of Lead-acid Battery Market Share by Company Type (Tier 1, Tier 2, and Tier 3) in 2025

Figure 34. Market Share of Recycling of Lead-acid Battery by Player Revenue in 2025

Figure 35. Top 3 Recycling of Lead-acid Battery Players Market Share in 2025

Figure 36. Top 6 Recycling of Lead-acid Battery Players Market Share in 2025

Figure 37. Global Recycling of Lead-acid Battery Consumption Value Share by Type (2021-2026)

Figure 38. Global Recycling of Lead-acid Battery Market Share Forecast by Type (2027-2032)

Figure 39. Global Recycling of Lead-acid Battery Consumption Value Share by Application (2021-2026)

Figure 40. Global Recycling of Lead-acid Battery Market Share Forecast by Application (2027-2032)

Figure 41. North America Recycling of Lead-acid Battery Consumption Value Market Share by Type (2021-2032)

Figure 42. North America Recycling of Lead-acid Battery Consumption Value Market Share by Application (2021-2032)

Figure 43. North America Recycling of Lead-acid Battery Consumption Value Market Share by Country (2021-2032)

Figure 44. United States Recycling of Lead-acid Battery Consumption Value (2021-2032) & (USD Million)

Figure 45. Canada Recycling of Lead-acid Battery Consumption Value (2021-2032) & (USD Million)

Figure 46. Mexico Recycling of Lead-acid Battery Consumption Value (2021-2032) &

(USD Million)

Figure 47. Europe Recycling of Lead-acid Battery Consumption Value Market Share by Type (2021-2032)

Figure 48. Europe Recycling of Lead-acid Battery Consumption Value Market Share by Application (2021-2032)

Figure 49. Europe Recycling of Lead-acid Battery Consumption Value Market Share by Country (2021-2032)

Figure 50. Germany Recycling of Lead-acid Battery Consumption Value (2021-2032) & (USD Million)

Figure 51. France Recycling of Lead-acid Battery Consumption Value (2021-2032) & (USD Million)

Figure 52. United Kingdom Recycling of Lead-acid Battery Consumption Value (2021-2032) & (USD Million)

Figure 53. Russia Recycling of Lead-acid Battery Consumption Value (2021-2032) & (USD Million)

Figure 54. Italy Recycling of Lead-acid Battery Consumption Value (2021-2032) & (USD Million)

Figure 55. Asia-Pacific Recycling of Lead-acid Battery Consumption Value Market Share by Type (2021-2032)

Figure 56. Asia-Pacific Recycling of Lead-acid Battery Consumption Value Market Share by Application (2021-2032)

Figure 57. Asia-Pacific Recycling of Lead-acid Battery Consumption Value Market Share by Region (2021-2032)

Figure 58. China Recycling of Lead-acid Battery Consumption Value (2021-2032) & (USD Million)

Figure 59. Japan Recycling of Lead-acid Battery Consumption Value (2021-2032) & (USD Million)

Figure 60. South Korea Recycling of Lead-acid Battery Consumption Value (2021-2032) & (USD Million)

Figure 61. India Recycling of Lead-acid Battery Consumption Value (2021-2032) & (USD Million)

Figure 62. Southeast Asia Recycling of Lead-acid Battery Consumption Value (2021-2032) & (USD Million)

Figure 63. Australia Recycling of Lead-acid Battery Consumption Value (2021-2032) & (USD Million)

Figure 64. South America Recycling of Lead-acid Battery Consumption Value Market Share by Type (2021-2032)

Figure 65. South America Recycling of Lead-acid Battery Consumption Value Market Share by Application (2021-2032)

Figure 66. South America Recycling of Lead-acid Battery Consumption Value Market Share by Country (2021-2032)

Figure 67. Brazil Recycling of Lead-acid Battery Consumption Value (2021-2032) & (USD Million)

Figure 68. Argentina Recycling of Lead-acid Battery Consumption Value (2021-2032) & (USD Million)

Figure 69. Middle East & Africa Recycling of Lead-acid Battery Consumption Value Market Share by Type (2021-2032)

Figure 70. Middle East & Africa Recycling of Lead-acid Battery Consumption Value Market Share by Application (2021-2032)

Figure 71. Middle East & Africa Recycling of Lead-acid Battery Consumption Value Market Share by Country (2021-2032)

Figure 72. Turkey Recycling of Lead-acid Battery Consumption Value (2021-2032) & (USD Million)

Figure 73. Saudi Arabia Recycling of Lead-acid Battery Consumption Value (2021-2032) & (USD Million)

Figure 74. UAE Recycling of Lead-acid Battery Consumption Value (2021-2032) & (USD Million)

Figure 75. Recycling of Lead-acid Battery Market Drivers

Figure 76. Recycling of Lead-acid Battery Market Restraints

Figure 77. Recycling of Lead-acid Battery Market Trends

Figure 78. Porters Five Forces Analysis

Figure 79. Recycling of Lead-acid Battery Industrial Chain

Figure 80. Methodology

Figure 81. Research Process and Data Source

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