

# **Battery Recycling Market Size, Share & Trends Analysis Report By Chemistry (Lithium-ion, Lead Acid, Nickel), By Application, By Region, And Segment Forecasts, 2022 - 2030**

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## **Abstracts**

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### **Battery Recycling Market Growth & Trends**

The global battery recycling market size is expected to reach USD 19.9 billion by 2030, registering a CAGR of 7.6% during the forecast period, according to a new report by Grand View Research, Inc. The presence of stringent government regulations is expected to have a positive impact on the market during the coming years.

Transportation application is expected to witness rapid growth in the battery recycling market. Growing demand for lithium-ion batteries in electric vehicles and portable devices, on account of their high efficiency, long life, and low maintenance is expected to positively impact the demand for recycled products.

The industry is price-driven, which in turn is expected to restrain the market growth during the forecast period. Price becomes a key differentiating factor as most recyclers make use of more or less the same technology. High competition among the players does not allow large variation in the prices, thereby reducing the profitability of recycling firms.

Companies are making efforts to improve their competitiveness by setting up new collection centers and recycling plants. Moreover, new processes are being developed to bring down costs & combat environmental pollution. ECOBAT has developed its own

collection system to gather spent batteries. Furthermore, new processes are being developed to reduce costs and prevent environmental pollution.

For instance, in January 2021, Li-cycle began construction of a Li-ion battery recycling facility in New York, U.S. When operational, the facility is expected to have a capacity of 25.0 metric kilotons of battery waste, retrieving 95.0% or more of the lithium, nickel, cobalt, and other precious components with the zero-emissions and wastewater process.

Lockdowns implemented due to the COVID-19 led to a temporary halt on import and export along with manufacturing and processing activities, across multiple industries, reducing demand for the batteries from a variety of automotive and non-automotive end-users.

As a result, there was a negative impact on the market growth in 2020. However, the market has been gradually recovering since 2021 due to a significant increase in use and demand for consumer electronics such as smartphones, tablets, and laptops, during the pandemic. Furthermore, globally increased demand for electric vehicles is expected to drive the transportation application segment of the battery recycling market during the forecast period.

### Battery Recycling Market Report Highlights

The lithium-ion segment is expected to register a CAGR of 8.8% from 2022 to 2030, due to the growing demand from the electric vehicle industry

The lead-acid category dominated the battery recycling market in 2021 and is expected to grow at a CAGR of 7.7% from 2022 to 2030 due to cost-effectiveness, high recycling ability, and high capacity

The transportation segment emerged as a significant application in 2021 and is expected to expand at the fastest CAGR of 8.0% from 2022 to 2030 due to expanding marine, automotive, and aviation industries

Europe held a 31.4% revenue share of the global market for battery recycling and is expected to expand by a 7.8% CAGR from 2022 to 2030 due to stringent government laws governing battery recycling in the region

Asia Pacific is anticipated to be the fastest-growing market from 2022 to 2030 on

account of rapidly growing end-use industries including automotive, consumer electronics, and industrial application

Mergers & acquisitions, agreements, and expansions are the key strategies being adopted by the companies during the past years. For instance, in January 2022, Electra partnered with Marubeni to obtain the black mass created from recycling Li-ion batteries. Electra wants to use Marubeni's globally extensive network of battery cell recyclers to assure a consistent supply of Li/Co composites

## Contents

### CHAPTER 1 METHODOLOGY AND SCOPE

- 1.1 Research methodology
- 1.2 Research scope & assumptions
- 1.3 List of data sources

### CHAPTER 2 EXECUTIVE SUMMARY

- 2.1 Market snapshot

### CHAPTER 3 BATTERY RECYCLING MARKET VARIABLES, TRENDS, AND SCOPE

- 3.1 Market segmentation & scope
- 3.2 Battery recycling market value chain analysis
- 3.3 Battery market trends
  - 3.3.1 Lead acid battery
  - 3.3.2 Lithium-ion battery
- 3.4 Technology trend
  - 3.4.1 Lead acid battery recycling process
  - 3.4.2 Lithium-ion battery recycling process
- 3.5 Market dynamics
  - 3.5.1 Market driver analysis
    - 3.5.1.1 Growing automotive sector
    - 3.5.1.2 Rising demand for electric vehicle
    - 3.5.1.3 Growing demand for UPS system
    - 3.5.1.4 Geographically confined raw material sources
  - 3.5.2 Market restraint analysis
    - 3.5.2.1 Price driven nature of battery recycling market
- 3.6 Regulatory framework
  - 3.6.1 Europe regulations
    - 3.6.1.1 Waste batteries and accumulators
  - 3.6.2 The U.S. regulations
  - 3.6.3 India regulations
- 3.7 Penetration & growth prospect mapping
- 3.8 Battery recycling market - PESTEL analysis
- 3.9 Industry analysis - Porter's Five Forces Analysis
- 3.10 Recycling cost analysis

### 3.11 List of the companies

## **CHAPTER 4 BATTERY RECYCLING MARKET: CHEMISTRY ESTIMATES & TREND ANALYSIS**

### 4.1 Battery recycling market: Chemistry movement analysis

#### 4.2 Lithium-ion

##### 4.2.1 Lithium-ion battery recycling market estimates & forecasts, 2017 - 2030 (USD Million)

#### 4.3 Lead acid

##### 4.3.1 Lead acid battery recycling market estimates & forecasts, 2017 - 2030 (USD Million)

#### 4.4 Nickel

##### 4.4.1 Nickel battery recycling market estimates & forecasts, 2017 - 2030 (USD Million)

#### 4.5 Others

##### 4.5.1 Others battery recycling market estimates & forecasts, 2017 - 2030 (USD Million)

## **CHAPTER 5 BATTERY RECYCLING MARKET: APPLICATION ESTIMATES & TREND ANALYSIS**

### 5.1 Battery recycling market application movement analysis

#### 5.2 Transportation

##### 5.2.1 Transportation battery recycling market estimates & forecasts, 2017 - 2030 (USD Million)

#### 5.3 Consumer electronics

##### 5.3.1 Consumer electronics battery recycling market estimates & forecasts, 2017 - 2030 (USD Million)

#### 5.4 Industrial

##### 5.4.1 Industrial battery recycling market estimates & forecasts, 2017 - 2030 (USD Million)

## **CHAPTER 6 BATTERY RECYCLING MARKET: REGIONAL ESTIMATES & TREND ANALYSIS**

### 6.1 Regional movement analysis & market share, 2021 & 2030

#### 6.2 North America movement analysis & market share, 2021 & 2030

##### 6.2.1 North America battery recycling market estimates and forecasts, by chemistry (USD million)

##### 6.2.2 North America battery recycling market estimates and forecasts, by application

(USD million)

6.2.3 U.S. battery recycling market share, 2021 & 2030

6.2.3.1 U.S. battery recycling market estimates and forecasts, by chemistry (USD million)

6.2.3.2 U.S. battery recycling market estimates and forecasts, by application (USD million)

6.3 Europe movement analysis & market share, 2021 & 2030

6.3.1 Europe battery recycling market estimates and forecasts, by chemistry (USD million)

6.3.2 Europe battery recycling market estimates and forecasts, by application (USD million)

6.3.3 Germany battery recycling market share, 2021 & 2030

6.3.3.1 Germany battery recycling market estimates and forecasts, by chemistry (USD million)

6.3.3.2 Germany battery recycling market estimates and forecasts, by application (USD million)

6.3.4 UK battery recycling market share, 2021 & 2030

6.3.4.1 UK battery recycling market estimates and forecasts, by chemistry (USD million)

6.3.4.2 UK battery recycling market estimates and forecasts, by application (USD million)

6.4 Asia Pacific movement analysis & market share, 2021 & 2030

6.4.1 Asia Pacific battery recycling market estimates and forecasts, by chemistry (USD million)

6.4.2 Asia Pacific battery recycling market estimates and forecasts, by application (USD million)

6.4.3 China battery recycling market share, 2021 & 2030

6.4.3.1 China battery recycling market estimates and forecasts, by chemistry (USD million)

6.4.3.2 China battery recycling market estimates and forecasts, by application (USD million)

6.4.4 Japan battery recycling market share, 2021 & 2030

6.4.4.1 Japan battery recycling market estimates and forecasts, by chemistry (USD million)

6.4.4.2 Japan battery recycling market estimates and forecasts, by application (USD million)

6.4.5 India battery recycling market share, 2021 & 2030

6.4.5.1 India battery recycling market estimates and forecasts, by chemistry (USD million)

6.4.5.2 India battery recycling market estimates and forecasts, by application (USD million)

6.5 Central & South America movement analysis & market share, 2021 & 2030

6.5.1 Central & South America battery recycling market estimates and forecasts, by chemistry (USD million)

6.5.2 Central & South America battery recycling market estimates and forecasts, by application (USD million)

6.5.3 Brazil battery recycling market share, 2021 & 2030

6.5.3.1 Brazil battery recycling market estimates and forecasts, by chemistry (USD million)

6.5.3.2 Brazil battery recycling market estimates and forecasts, by application (USD million)

6.6 MEA movement analysis & market share, 2021 & 2030

6.6.1 MEA battery recycling market estimates and forecasts, by chemistry (USD million)

6.6.2 MEA battery recycling market estimates and forecasts, by application (USD million)

## **CHAPTER 7 COMPETITIVE LANDSCAPE**

7.1 Competitive scenario

7.2 Market positioning

7.3 Vendor landscape

7.4 Strategy framework

## **CHAPTER 8 COMPANY PROFILES**

8.1 Call2Recycle

8.1.1 Company overview

8.1.2 Financial performance

8.1.3 Product benchmarking

8.1.4 Strategic initiatives

8.2 Aqua Metals

8.2.1 Company overview

8.2.2 Financial performance

8.2.3 Product benchmarking

8.2.4 Strategic initiatives

8.3 Umicore

8.3.1 Company overview

- 8.3.2 Financial performance
- 8.3.3 Product benchmarking
- 8.3.4 Strategic initiatives
- 8.4 Exide Technologies
  - 8.4.1 Company overview
  - 8.4.2 Product benchmarking
  - 8.4.3 Strategic initiatives
- 8.5 Johnson Controls
  - 8.5.1 Company overview
  - 8.5.2 Financial performance
  - 8.5.3 Product benchmarking
  - 8.5.4 Strategic initiatives
- 8.6 EnerSys
  - 8.6.1 Company overview
  - 8.6.2 Financial performance
  - 8.6.3 Product benchmarking
  - 8.6.4 Strategic initiatives
- 8.7 Gravita India Limited
  - 8.7.1 Company overview
  - 8.7.2 Financial performance
  - 8.7.3 Product benchmarking
- 8.8 ECOBAT Technologies Ltd.
  - 8.8.1 Company overview
  - 8.8.2 Product benchmarking
  - 8.8.3 Strategic initiatives
- 8.9 Battery Solutions, Inc.
  - 8.9.1 Company overview
  - 8.9.2 Product benchmarking
- 8.10 Gopher Resource
  - 8.10.1 Company overview
  - 8.10.2 Financial performance
  - 8.10.3 Product benchmarking
- 8.11 G&P Batteries
  - 8.11.1 Company overview
  - 8.11.2 Product benchmarking
  - 8.11.3 Strategic initiatives
- 8.12 Terrapure Environmental
  - 8.12.1 Company overview
  - 8.12.2 Financial performance



- 8.12.3 Product benchmarking
- 8.13 East Penn Manufacturing Co.
  - 8.13.1 Company overview
  - 8.13.2 Financial performance
  - 8.13.3 Product benchmarking
- 8.14 Retriev Technologies, Inc.
  - 8.14.1 Company overview
  - 8.14.2 Financial performance
  - 8.14.3 Product benchmarking
- 8.15 COM2 Recycling Solutions
  - 8.15.1 Company overview
  - 8.15.2 Financial performance
  - 8.15.3 Product benchmarking

## List Of Tables

### LIST OF TABLES

Table 1 Lithium-ion battery recycling market estimates & forecasts, 2017 - 2030 (USD Million)

Table 2 Nickel battery recycling market estimates & forecasts, 2017 - 2030 (USD Million)

Table 3 Others battery recycling market estimates & forecasts, 2017 - 2030 (USD Million)

Table 4 Transportation battery recycling market estimates & forecasts, 2017 - 2030 (USD Million)

Table 5 Consumer electronics battery recycling market estimates & forecasts, 2017 - 2030 (USD Million)

Table 6 Industrial battery recycling market estimates & forecasts, 2017 - 2030 (USD Million)

Table 7 North America battery recycling market revenue, by chemistry, 2017 - 2030 (USD Million)

Table 8 North America battery recycling market revenue, by application, 2017 - 2030 (USD Million)

Table 9 U.S. battery recycling market revenue, by chemistry, 2017 - 2030 (USD Million)

Table 10 U.S. battery recycling market revenue, by application, 2017 - 2030 (USD Million)

Table 11 Europe battery recycling market revenue, by chemistry, 2017 - 2030 (USD Million)

Table 12 Europe battery recycling market revenue, by application, 2017 - 2030 (USD Million)

Table 13 Germany battery recycling market revenue, by chemistry, 2017 - 2030 (USD Million)

Table 14 Germany battery recycling market revenue, by application, 2017 - 2030 (USD Million)

Table 15 U.K. battery recycling market revenue, by chemistry, 2017 - 2030 (USD Million)

Table 16 U.K. battery recycling market revenue, by application, 2017 - 2030 (USD Million)

Table 17 Asia Pacific battery recycling market revenue, by chemistry, 2017 - 2030 (USD Million)

Table 18 Asia Pacific battery recycling market revenue, by application, 2017 - 2030 (USD Million)

Table 19 China battery recycling market revenue, by chemistry, 2017 - 2030 (USD Million)

Table 20 China battery recycling market revenue, by application, 2017 - 2030 (USD Million)

Table 21 Japan battery recycling market revenue, by chemistry, 2017 - 2030 (USD Million)

Table 22 Japan battery recycling market revenue, by application, 2017 - 2030 (USD Million)

Table 23 India battery recycling market revenue, by chemistry, 2017 - 2030 (USD Million)

Table 24 India battery recycling market revenue, by application, 2017 - 2030 (USD Million)

Table 25 Central & South America battery recycling market revenue, by chemistry, 2017 - 2030 (USD Million)

Table 26 Central & South America battery recycling market revenue, by application, 2017 - 2030 (USD Million)

Table 27 Brazil battery recycling market revenue, by chemistry, 2017 - 2030 (USD Million)

Table 28 Brazil battery recycling market revenue, by application, 2017 - 2030 (USD Million)

Table 29 MEA battery recycling market revenue, by chemistry, 2017 - 2030 (USD Million)

Table 30 MEA battery recycling market revenue, by application, 2017 - 2030 (USD Million)?

## List Of Figures

### LIST OF FIGURES

- Fig. 1 Market summary, 2021
- Fig. 2 Market segmentation & scope
- Fig. 3 Battery recycling market - Value chain analysis
- Fig. 4 Lead acid battery demand, by end-use industries, 2021
- Fig. 5 Lead acid battery demand, by region, 2021
- Fig. 6 Lithium-ion battery demand, by end-use industries, 2021
- Fig. 7 Lithium-ion battery demand, by region, 2021
- Fig. 8 Lithium-ion battery demand, by type, 2021
- Fig. 9 Lead acid battery recycling process
- Fig. 10 Lithium-ion battery recycling process
- Fig. 11 Market Dynamics
- Fig. 12 Market driver relevance analysis (Current & future impact)
- Fig. 13 Chinese automotive production, 2017 - 2030 (Million Units)
- Fig. 14 India automotive production, 2017 - 2030 (Million Units)
- Fig. 15 Mexico automotive production, 2017 - 2030 (Million Units)
- Fig. 16 Global plugin electric vehicle annual sales, 2012 - 2016
- Fig. 17 Europe modular UPS market, 2017 - 2030 (USD Million)
- Fig. 18 China UPS System demand, 2017 - 2030 (USD Million)
- Fig. 19 Total investment in infrastructure in Asia Pacific, 2017 - 2030 (USD Billion)
- Fig. 20 MEA UPS market, 2017 - 2030 (USD Million)
- Fig. 21 Lead production, by countries, 2017 - 2030 ('000 Metric Tons)
- Fig. 22 Nickel production, by countries, 2017 - 2030 ('000 Metric Tons)
- Fig. 23 Market restraint relevance analysis (Current & future impact)
- Fig. 24 Penetration & growth prospect mapping
- Fig. 25 PESTEL Analysis
- Fig. 26 Porter's Five Forces Analysis
- Fig. 27 Battery recycling market Chemistry outlook: Key takeaways
- Fig. 28 Battery recycling market: Chemistry movement analysis, 2021 & 2030
- Fig. 29 Battery recycling market application outlook: Key takeaways
- Fig. 30 Battery recycling market: Application movement analysis, 2021 & 2030
- Fig. 31 Regional market place: Key takeaways
- Fig. 32 Battery recycling market: Regional movement analysis, 2021 & 2030
- Fig. 33 North America market revenue estimates, 2017 - 2030 (USD Million)
- Fig. 34 U.S. country outlook, 2017 to 2030 (USD Million)
- Fig. 35 Europe market revenue estimates, 2017 - 2030 (USD Million)

Fig. 36 Germany country outlook, 2017 to 2030 (USD Million)

Fig. 37 U.K. country outlook, 2017 to 2030 (USD Million)

Fig. 38 Asia Pacific market revenue estimates, 2017 - 2030 (USD Million)

Fig. 39 China country outlook, 2017 to 2030 (USD Million)

Fig. 40 Japan country outlook, 2017 to 2030 (USD Million)

Fig. 41 India country outlook, 2017 to 2030 (USD Million)

Fig. 42 Central & South America market revenue estimates, 2017 - 2030 (USD Million)

Fig. 43 Brazil country outlook, 2017 to 2030 (USD Million)

Fig. 44 MEA market revenue estimates, 2017 - 2030 (USD Million)

Fig. 45 Strategy Framework

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