

Global Lithium Battery Recycling Solution Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Lithium Battery Recycling Solution market size is expected to reach \$ 3922 million by 2032, rising at a market growth of 5.2% CAGR during the forecast period (2026-2032).

To address the problems of low processing efficiency, high environmental pollution risks, and serious waste of precious metal resources in traditional lithium battery recycling methods, lithium battery recycling solutions have emerged. Since the rise of the new energy vehicle industry and the large-scale application of lithium batteries in the early 21st century, the field of power battery cascade utilization and recycling has developed significantly. Currently, lithium battery recycling solutions have evolved into a professional technical system encompassing multiple technical routes, including physical dismantling and recycling, hydrometallurgical recycling, and pyrometallurgical recycling. These solutions are widely used in the treatment of retired power batteries in new energy vehicles, the recycling of consumer electronics batteries, and the battery cycle management of energy storage power stations, significantly improving resource recycling rates and promoting the sustainable development of the new energy industry.

As a key closed-loop link in the new energy industry chain, lithium battery recycling solutions are undergoing a transformation from 'extensive recycling' to 'intelligent and green' methods. In the future, technological integration (AI, biometallurgy, automation), ecological collaboration (automakers-recycling companies-material plants), and policy-driven initiatives will become key growth engines. Enterprises need to balance technological innovation and cost control, address the challenges of lack of standards and chaotic distribution channels, and seize incremental opportunities such as policy dividends, market demand, and technological breakthroughs. They must build a 'safe, efficient, and green' recycling system to drive the global battery industry towards a

circular economy model and contribute to the achievement of 'dual carbon' goals.

This report studies the global Lithium Battery Recycling Solution demand, key companies, and key regions.

This report is a detailed and comprehensive analysis of the world market for Lithium Battery Recycling Solution, and provides market size (US\$ million) and Year-over-Year (YoY) growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Lithium Battery Recycling Solution that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Lithium Battery Recycling Solution total market, 2021-2032, (USD Million)

Global Lithium Battery Recycling Solution total market by region & country, CAGR, 2021-2032, (USD Million)

U.S. VS China: Lithium Battery Recycling Solution total market, key domestic companies, and share, (USD Million)

Global Lithium Battery Recycling Solution revenue by player, revenue and market share 2021-2026, (USD Million)

Global Lithium Battery Recycling Solution total market by Type, CAGR, 2021-2032, (USD Million)

Global Lithium Battery Recycling Solution total market by Application, CAGR, 2021-2032, (USD Million)

This report profiles major players in the global Lithium Battery Recycling Solution 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 Brunp Recycling, GEM, Redwood Materials, Cirba Solutions, Ascend Elements, Veolia, Fortum Battery Recycling, Ecobat, SungEel HiTech, Umicore, etc.

This report also provides key insights about market drivers, restraints, opportunities,

new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the world Lithium Battery Recycling Solution market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), by player, by regions, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Lithium Battery Recycling Solution Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Lithium Battery Recycling Solution Market, Segmentation by Type:

Physical Method

Chemical Method

Biological Method

Global Lithium Battery Recycling Solution Market, Segmentation by Recycling Entity:

Producer-led

Third-party Recycling

Global Lithium Battery Recycling Solution Market, Segmentation by Material Processing Method:

Secondary Use

Recycling

Global Lithium Battery Recycling Solution Market, Segmentation by Application:

New Energy Vehicles

Power Battery Manufacturing

Energy Storage Industry

Consumer Electronics

Other

Companies Profiled:

Brunp Recycling

GEM

Redwood Materials

Cirba Solutions

Ascend Elements

Veolia

Fortum Battery Recycling

Ecobat

SungEel HiTech

Umicore

BASF

Stena Recycling

SK tes

Lithion Technologies

ACE Green Recycling

Aqua Metals

Recyclus Group

Li Industries

Cawleys

Recover

Reneos

Key Questions Answered

1. How big is the global Lithium Battery Recycling Solution market?
2. What is the demand of the global Lithium Battery Recycling Solution market?
3. What is the year over year growth of the global Lithium Battery Recycling Solution market?

4. What is the total value of the global Lithium Battery Recycling Solution market?
5. Who are the Major Players in the global Lithium Battery Recycling Solution market?
6. What are the growth factors driving the market demand?

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