

Global Lithium-ion Battery Recycling Market 2024 by Company, Regions, Type and Application, Forecast to 2030

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Abstracts

Battery recycling is a recycling activity that aims to reduce the number of batteries being disposed as municipal solid waste. Batteries contain a number of heavy metals and toxic chemicals and disposing of them by the same process as regular trash has raised concerns over soil contamination and water pollution.

Lithium-ion batteries and lithium iron phosphate (LiFePO₄) batteries often contain among other useful metals high-grade copper and aluminium in addition to – depending on the active material – transition metals cobalt and nickel as well as rare earths. To prevent a future shortage of cobalt, nickel, and lithium and to enable a sustainable life cycle of these technologies, recycling processes for lithium batteries are needed. These processes have to regain not only cobalt, nickel, copper, and aluminium from spent battery cells, but also a significant share of lithium. In order to achieve this goal, several unit operations are combined into complex process chains, especially considering the task to recover high rates of valuable materials with regard to involved safety issues.

According to our (Global Info Research) latest study, the global Lithium-ion Battery Recycling market size was valued at US\$ 3698 million in 2023 and is forecast to a readjusted size of USD 33130 million by 2030 with a CAGR of 37.2% during review period.

Global Lithium-ion Battery Recycling key players include Umicore, GEM, Brunp Recycling, SungEel HiTech, Taisen Recycling, etc. Global top five manufacturers hold a share about 15%.

China is the largest market, with a share about 35%, followed by North America and

Europe, both have a share about 30 percent.

In terms of product, LiCoO₂ Battery is the largest segment, with a share over 65%. And in terms of application, the largest application is Electric Power, followed by Automotive.

This report is a detailed and comprehensive analysis for global Lithium-ion Battery Recycling 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 2024, are provided.

Key Features:

Global Lithium-ion Battery Recycling market size and forecasts, in consumption value (\$ Million), 2019-2030

Global Lithium-ion Battery Recycling market size and forecasts by region and country, in consumption value (\$ Million), 2019-2030

Global Lithium-ion Battery Recycling market size and forecasts, by Type and by Application, in consumption value (\$ Million), 2019-2030

Global Lithium-ion Battery Recycling market shares of main players, in revenue (\$ Million), 2019-2024

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 Lithium-ion Battery Recycling

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 Lithium-ion Battery Recycling 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 Umicore, GEM, Brunp Recycling, SungEel HiTech, Taisen Recycling, Batrec, Retriev Technologies, Tes-Amm(Recupyl), Duesenfeld, 4R Energy Corp, etc.

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

Market segmentation

Lithium-ion Battery Recycling market is split by Type and by Application. For the period 2019-2030, 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 segmentation

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Market segment by Type

LiCoO₂ Battery

NMC Battery

LiFePO₄ Battery

Other

Market segment by Application

Automotive

Marine

Industrial

Electric Power

Market segment by players, this report covers

Umicore

GEM

Brunp Recycling

SungEel HiTech

Taisen Recycling

Batrec

Retriev Technologies

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 Lithium-ion Battery Recycling product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top players of Lithium-ion Battery Recycling, with revenue, gross margin, and global market share of Lithium-ion Battery Recycling from 2019 to 2024.

Chapter 3, the Lithium-ion Battery Recycling 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 2019 to 2030.

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 2019 to 2024. and Lithium-ion Battery Recycling market forecast, by regions, by Type and by Application, with consumption value, from 2024 to 2030.

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

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

Chapter 13, to describe Lithium-ion Battery Recycling research findings and conclusion.

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