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# Global EV Power Dattery Recycling Market Research Report 2026(Status and Outlook)

https://marketpublishers.com/r/G859CA6E014EEN.html
Date: February 2026
Pages: 149
Price: US$ 2,980.00 (Single User License)
ID: G859CA6E014EEN

## Abstracts

EV Power Battery Recycling involves the collection, transportation, dismantling, and processing of end-of-life electric vehicle lithium-ion batteries to recover valuable materials such as lithium, nickel, cobalt, manganese, copper, aluminum, graphite, and plastics, while also enabling potential second-life applications for partially degraded batteries. Upstream inputs primarily consist of retired EV battery packs and modules sourced from automotive OEMs, fleet operators, and after-sales service networks, as well as associated testing and dismantling equipment, logistics systems, and chemical reagents for material extraction. Downstream customers include cathode and anode material manufacturers, battery producers, metal refiners, energy storage integrators, and second-life system providers. Based on industry analysis, the estimated global gross margin for 2024 is generally within the 15%?28% range, influenced by processing costs, metal price fluctuations, regulatory compliance, and integration efficiency, with higher margins achievable by companies employing advanced hydrometallurgical techniques, automated dismantling systems, and high-purity material outputs.The EV power battery recycling market is experiencing rapid growth, driven by the increasing adoption of electric vehicles and the growing volume of end-of-life batteries. The industry is transitioning from early-stage pilot projects and fragmented operations to more systematic and professionalized models. Regulatory frameworks in key regions are being strengthened to cover producer responsibility, recycling system establishment, cascade utilization standards, hazardous material dismantling, and recycled material quality control, providing clear guidelines for operations. As collection networks, dismantling and testing technologies, logistics systems, and supply chain collaboration improve, overall market efficiency and professionalization have increased significantly, and industry concentration is gradually rising.Future trends are focused on technological upgrading, expansion of cascade-utilization scenarios, and increasing the value of recycled materials. Automation and intelligence in dismantling, sorting, and

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testing are maturing, enhancing safety, operational efficiency, and consistency of material quality. Cascade-utilization applications are extending from low-speed electric vehicles and telecom backup systems to commercial, industrial, microgrid, and residential energy storage. Material recovery processes are evolving toward higher extraction efficiency, lower energy consumption, and higher purity, enabling greater penetration of recycled materials in new battery production and other high-end applications, while also supporting the development of closed-loop supply chains and improving resource circularity.Market drivers stem from three main factors: the growing volume of retired batteries, ensuring long-term stable demand for both recycling and cascade utilization; rising global concern over the supply security of critical metals such as lithium, nickel, cobalt, manganese, and copper, which promotes the development of recycled materials; and policies and regulations promoting circular economy, carbon reduction, and green manufacturing, offering structural growth opportunities. Additionally, downstream customers increasingly demand cost advantages, traceability, and supply stability, further supporting market expansion and value creation.However, the industry still faces multiple challenges, including regional disparities in recycling infrastructure, fragmented collection channels, complex processing of batteries with different chemistries, high costs for hazardous material dismantling and transportation, and the need to ensure consistency and reliability of recycled materials in high-end battery applications. External factors such as metal price volatility, rising environmental compliance costs, and large investments required for closed-loop system development also place pressure on profitability. Overall, the EV power battery recycling sector is moving toward greater scale, standardization, and closed-loop integration, with companies possessing technological capabilities, supply chain integration, and regulatory expertise best positioned to achieve competitive advantage.

The global EV Power Dattery Recycling market size was estimated at USD 5426.0 million in 2025 and is projected to grow at a compound annual growth rate (CAGR) of 8.20% during the forecast period.

This report offers a comprehensive and in-depth analysis of the global EV Power Dattery Recycling market, covering all critical facets from a broad macroeconomic overview to detailed micro-level insights. It examines market size, competitive landscape, emerging development trends, niche segments, key drivers and challenges, as well as conducts SWOT and value chain analyses.

The insights provided enable readers to understand the competitive dynamics within the industry and formulate effective strategies to enhance profitability and market positioning. Additionally, the report presents a clear framework for evaluating the current

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status and future outlook of business organizations operating in this sector.

A significant focus of this report lies in the competitive landscape of the global EV Power Dattery Recycling market. It offers detailed profiles of major players, including their market shares, performance metrics, product portfolios, and operational status. This enables stakeholders to identify leading competitors and gain a nuanced understanding of market rivalry and structure.

In summary, this report serves as an essential resource for industry participants, investors, researchers, consultants, and business strategists, as well as anyone planning to enter or expand their presence in the EV Power Dattery Recycling market.

**Global EV Power Dattery Recycling Market: Market Segmentation Analysis**

This research report provides a detailed segmentation of the market by region (country), key manufacturers, product type, and application. Market segmentation divides the overall market into distinct subsets based on factors such as product categories, end-user industries, geographic locations, and other relevant criteria.

A clear understanding of these market segments enables decision-makers to tailor their product development, sales, and marketing strategies more effectively to meet the unique needs of each segment. Leveraging market segmentation insights can significantly enhance targeted approaches, optimize resource allocation, and accelerate product innovation cycles by aligning offerings with the specific demands of diverse customer groups.

**Key Company**

Umicore
Li-Cycle
Redwood Materials
SungEel HiTech
GEM
4REnergy
Taisen Recycling
Duesenfeld
American Manganese
ECOBAT Technologies
Accurec Recycling

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Ganfeng Lithium
Brunp Recycling

**Market Segmentation (by Type)**

Recycling Reuse
Direct Reuse

**Market Segmentation (by Application)**

Battery Manufacturing
Metallurgical & Chemical Industry
Energy Storage Systems
Other

**Geographic Segmentation**

North America (USA, Canada, Mexico)
Europe (Germany, UK, France, Russia, Italy, Rest of Europe)
Asia-Pacific (China, Japan, South Korea, India, Southeast Asia, Rest of Asia-Pacific)
South America (Brazil, Argentina, Columbia, Rest of South America)
The Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria, South Africa, Rest of MEA)

**Key Benefits of This Market Research:**

Industry drivers, restraints, and opportunities covered in the study
Neutral perspective on the market performance
Recent industry trends and developments
Competitive landscape & strategies of key players
Potential & niche segments and regions exhibiting promising growth covered
Historical, current, and projected market size, in terms of value
In-depth analysis of the EV Power Dattery Recycling Market
Overview of the regional outlook of the EV Power Dattery Recycling Market:

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## Chapter Outline

Chapter 1 mainly introduces the statistical scope of the report, market division standards, and market research methods.

Chapter 2 is an executive summary of different market segments (by region, product type, application, etc), including the market size of each market segment, future development potential, and so on. It offers a high-level view of the current state of the EV Power Dattery Recycling Market and its likely evolution in the short to mid-term, and long term.

Chapter 3 makes a detailed analysis of the market's competitive landscape of the market and provides the market share, capacity, output, price, latest development plan, merger, and acquisition information of the main manufacturers in the market.

Chapter 4 is the analysis of the whole market industrial chain, including the upstream and downstream of the industry, as well as Porter's five forces analysis.

Chapter 5 introduces the latest developments of the market, the driving factors and restrictive factors of the market, the challenges and risks faced by manufacturers in the industry, and the analysis of relevant policies in the industry.

Chapter 6 provides the analysis of various market segments according to product types, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 7 provides the analysis of various market segments according to application, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

Chapter 8 provides a quantitative analysis of the market size and development potential of each region and its main countries and introduces the market development, future development prospects, market space, and capacity of each country in the world.

Chapter 9 shares the main producing countries of EV Power Dattery Recycling, their output value, profit level, regional supply, production capacity layout, etc. from the supply side.

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Chapter 10 introduces the basic situation of the main companies in the market in detail, including product sales revenue, sales volume, price, gross profit margin, market share, product introduction, recent development, etc.

Chapter 11 provides a quantitative analysis of the market size and development potential of each region in the next five years.

Chapter 12 provides a quantitative analysis of the market size and development potential of each market segment in the next five years.

Chapter 13 is the main points and conclusions of the report.

**Key Reasons to Buy this Report:**

Access to date statistics compiled by our researchers. These provide you with historical and forecast data, which is analyzed to tell you why your market is set to change
This enables you to anticipate market changes to remain ahead of your competitors
You will be able to copy data from the Excel spreadsheet straight into your marketing plans, business presentations, or other strategic documents
The concise analysis, clear graph, and table format will enable you to pinpoint the information you require quickly
Provision of market value data for each segment and sub-segment
Indicates the region and segment that is expected to witness the fastest growth as well as to dominate the market
Analysis by geography highlighting the consumption of the product/service in the region as well as indicating the factors that are affecting the market within each region
Competitive landscape which incorporates the market ranking of the major players, along with new service/product launches, partnerships, business expansions, and acquisitions in the past five years of companies profiled
Extensive company profiles comprising of company overview, company insights, product benchmarking, and SWOT analysis for the major market players
The current as well as the future market outlook of the industry concerning recent developments which involve growth opportunities and drivers as well as challenges and restraints of both emerging as well as developed regions
Includes in-depth analysis of the market from various perspectives through Porter?s five forces analysis
Provides insight into the market through Value Chain
Market dynamics scenario, along with growth opportunities of the market in the years to come

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