

**Lead-Acid Battery Scrap Market - Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Battery (Flooded, Sealed), By Product (Lead, Sulfuric acid), By Source (Motor Vehicles, UPS), By Region & Competition, 2020-2030F**

Market Report | 2025-11-24 | 181 pages | TechSci Research

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**Report description:**

**Market Overview**

The Global Lead-Acid Battery Scrap Market, valued at USD 16.52 Billion in 2024, is projected to experience a CAGR of 10.21% to reach USD 29.60 Billion by 2030. The Global Lead-Acid Battery Scrap Market focuses on used lead-acid batteries no longer suitable for their primary purpose, which nonetheless contain valuable lead components, plastic, and sulfuric acid. These batteries are widely utilized across automotive, industrial, and backup power systems. Market expansion is primarily driven by increasing environmental regulations mandating responsible disposal and recycling practices.

**Key Market Drivers**

The Global Lead-Acid Battery Scrap Market is significantly propelled by two primary factors: increased environmental regulations and sustainability mandates, alongside the high economic value and recyclability of lead. Heightened governmental and industry-specific regulations globally enforce responsible disposal and recycling practices for lead-acid batteries, thereby stimulating the scrap market. This regulatory pressure ensures a consistent flow of end-of-life batteries into the recycling stream. For example, according to Battery Council International's National Recycling Rate Study, released in July 2023, the U. S. lead battery industry achieved an outstanding recycling rate of 99%, the highest of any consumer product in the United States, largely sustained by its robust closed-loop system.

**Key Market Challenges**

A significant challenge impeding the growth of the Global Lead-Acid Battery Scrap Market is the considerable capital expenditure required for establishing and maintaining advanced recycling facilities. This financial barrier directly restricts investment in state-of-the-art processing technologies and robust collection infrastructure. Such substantial upfront costs deter potential new market entrants and slow the expansion plans of existing recycling operations. Consequently, the ability to scale up efficient and environmentally compliant lead-acid battery recycling capacity worldwide is constrained. According to the International Lead and

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Zinc Study Group, global refined lead production was forecast to increase by 2.7% to 12.8 million tons in 2023, with consumption also projected to rise by 1.1% to 12.8 million tons. This modest growth in production, despite ongoing demand, underscores the impact of high investment costs in limiting the development of new recycling plants and upgrading existing ones to meet stringent environmental standards and increasing volumes of end-of-life batteries. This sustained requirement for substantial capital outlays slows the overall development of a comprehensive and efficient global recycling ecosystem.

#### Key Market Trends

The adoption of advanced recycling technologies represents a pivotal trend enhancing material recovery and environmental performance. These innovations move beyond conventional methods to extract valuable components with greater precision and reduced ecological impact. According to the European Commission's Batteries Regulation, which became effective in 2023, ambitious recycling efficiency targets for lead-acid batteries are set at 75% by December 2025 and 80% by December 2030, necessitating continuous technological upgrades to meet these benchmarks. The industry continues to pursue new techniques for processing battery scrap, minimizing waste, and improving the purity of recovered lead and other materials.

#### Key Market Players

- Johnson Controls International PLC
- Exide Technologies S.A.S.
- East Penn Manufacturing Co., Inc.
- GS Yuasa International Ltd.
- Battery Solutions LLC
- Whitelake Organics Pvt Ltd.
- Gravita India Ltd.
- Aqua Metals Inc.
- Madenat Al Nokhba Recycling Services LLC
- Beeah Group

#### Report Scope:

In this report, the Global Lead-Acid Battery Scrap Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

- Lead-Acid Battery Scrap Market, By Battery:
  - o Flooded
  - o Sealed
- Lead-Acid Battery Scrap Market, By Product:
  - o Lead
  - o Sulfuric acid
- Lead-Acid Battery Scrap Market, By Source:
  - o Motor Vehicles
  - o UPS
- Lead-Acid Battery Scrap Market, By Region:
  - o North America
    - United States
    - Canada
    - Mexico
  - o Europe
    - France
    - United Kingdom
    - Italy
    - Germany
    - Spain
  - o Asia Pacific

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- South Africa
- Saudi Arabia
- UAE

#### Competitive Landscape

Company Profiles: Detailed analysis of the major companies presents in the Global Lead-Acid Battery Scrap Market.

#### Available Customizations:

Global Lead-Acid Battery Scrap Market report with the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

#### Company Information

-□Detailed analysis and profiling of additional market players (up to five).

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