

Battery Materials Market by Battery Type (Lead-Acid, Lithium-ion), Material (Cathode, Anode, Electrolyte), Application (Automotive, EV, Portable devices, industrial), and Region (Aisa Pacific, North America, Europe, RoW) - Global Forecast to 2027

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Abstracts

The global battery material market size is estimated to be USD 57.8 billion in 2022 and is projected to grow at a CAGR of 15.8% during the forecast period to reach USD 120.4 billion by 2027. The market has a promising growth potential due to several factors such as increasing demand for sustainable vehicles and energy storage system, portable devices, and electronics product.

“The lithium ion type battery is expected to register the highest CAGR of the overall battery materials market during the forecast period, in terms of value.”

Lithium ion batteries are used in the Evs, portable device, and electronics product. For many years China has been the top EVs manufacturers and consumer. The country's top position in the Evs and portable devices has helped Asia Pacific gain a significant share in the global battery materials market. Growing economy, such as India, China, and Indonesia are also actively engaged in EVs and electronics product production that have boost the demand for battery materials. This scenario is expected to continue during the forecast period.

“The electric vehicle application is projected to register the highest CAGR during the forecast period.”

Electric vehicle is the market driver in this segment globally. Growth in applications, including electric vehicles, portable device, and electronics product. There is strong

demand for these applications from the Asia Pacific region, especially from developing countries such as China, India, South Korea, Japan, and Indonesia. Global battery material manufacturers are establishing their manufacturing facilities or sales offices in these emerging regions to cater to the increasing demand.

Asia - Pacific battery materials market is projected to register the largest market share during the forecast period.

Asia Pacific is an emerging economy with many rapidly developing countries. Various industry players are willing to invest in this region. Most of the leading players in North America and Europe are planning to shift their manufacturing base to Asia Pacific as it offers inexpensive raw materials, low cost of production, and the ability to serve the local emerging market in a better way. The Asia Pacific region is experiencing robust demand for electric vehicle, electronics product, stationary energy storage system, and portable device. This has led to an increased demand for battery material in the Asia Pacific market.

In-depth interviews were conducted with Chief Executive Officers (CEOs), marketing directors, other innovation and technology directors, and executives from various key organizations operating in the battery materials market, and information was gathered from secondary research to determine and verify the market size of several segments and subsegments.

By Company Type: Tier 1 –41 %, Tier 2 – 37%, and Tier 3 – 22 %

By Designation: C Level – 21%, D Level – 23%, and Others – 56%

By Region: Europe – 23%, North America – 37%, APAC – 26%, South America-4%, and the Middle East & Africa – 10%

The key companies profiled in this report are Umicore (Belgium), Asahi Kasei (Japan), Mitsubishi chemical holdings (Japan), Posco (South Korea), and Johnson Matthey (UK).

Research Coverage:

This report provides detailed segmentation of the battery materials market based on battery type, material, application and region. Based on battery type, battery industry has been segmented into lead-acid and lithium ion. Based on material, the market has

been segmented into cathode, anode and electrolyte. Based on application market has been segmented into Portable device, Evs, industrial, Automotive and others. Based on region, the market has been segmented into Asia Pacific, Europe, North America, and RoW.

Key Benefits of Buying the Report

From an insights perspective, this research report focuses on various levels of analyses — industry analysis (industry trends), market share analysis of top players, and company profiles, which together comprise and discuss the basic views on the competitive landscape; emerging and high-growth segments of the market; high-growth regions; and market drivers, restraints, opportunities, and challenges.

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FIGURE 68 MITSUI MINING & SMELTING COMPANY: COMPANY SNAPSHOT

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11.2.1 UBE CORPORATION

11.2.2 SHANSHAN TECHNOLOGY

11.2.3 NICHIA CORPORATION

11.2.4 L&F

11.2.5 PULEAD TECHNOLOGY INDUSTRY

11.2.6 ENTEK

11.2.7 TODA KOGYO CORP.

11.2.8 NEI CORPORATION

11.2.9 TANAKA CHEMICALS

11.2.10 NEXEON LIMITED

11.2.11 ZHANGJIAGANG GUOTAI HUARONG CHEMICAL NEW MATERIAL

11.2.12 GRAVITA INDIA

11.2.13 BASF

*Details on Business overview, Products offered, Recent Developments, MNM view might not be captured in case of unlisted companies.

12 ADJACENT/RELATED MARKETS

12.1 INTRODUCTION

12.2 LIMITATION

12.3 LITHIUM-ION BATTERY

12.3.1 MARKET DEFINITION

12.3.2 MARKET OVERVIEW

12.3.3 LITHIUM-ION BATTERY MARKET, BY TYPE

TABLE 304 LITHIUM-ION BATTERY MARKET, BY TYPE, 2017–2020 (USD MILLION)

TABLE 305 LITHIUM-ION BATTERY MARKET, BY TYPE, 2021–2030 (USD MILLION)

12.3.3.1 Li-NMC battery

12.3.3.2 LPF

12.3.3.3 LCO

12.3.3.4 LTO

12.3.3.5 LMO

12.3.3.6 NCA

12.3.4 LITHIUM-ION BATTERY MARKET, BY CAPACITY

TABLE 306 LITHIUM-ION BATTERY MARKET, BY CAPACITY, 2017–2020 (USD MILLION)

TABLE 307 LITHIUM-ION BATTERY MARKET, BY CAPACITY, 2021–2030 (USD MILLION)

12.3.4.1 0 to 3,000 mAh

12.3.4.2 3,000 to 10,000 mAh

12.3.4.3 10,000 to 60,000 mAh

12.3.4.4 60,000 mAh and above

12.3.5 LITHIUM-ION BATTERY MARKET, BY REGION

TABLE 308 LITHIUM-ION BATTERY MARKET, BY REGION, 2017–2020 (USD MILLION)

TABLE 309 LITHIUM-ION BATTERY MARKET, BY REGION, 2021–2030 (USD MILLION)

12.3.5.1 North America

12.3.5.2 Europe

12.3.5.3 Asia Pacific

12.3.5.4 Rest of World (ROW)

13 APPENDIX

13.1 DISCUSSION GUIDE

13.2 KNOWLEDGE STORE: MARKETSANDMARKETS' SUBSCRIPTION PORTAL

13.3 CUSTOMIZATION OPTIONS

13.4 RELATED REPORTS

13.5 AUTHOR DETAILS

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