

Global Polymer Lithium-Ion Battery Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Polymer Lithium-Ion Battery market size is expected to reach \$ 3767 million by 2032, rising at a market growth of 5.0% CAGR during the forecast period (2026-2032).

In 2025, global Polymer Lithium-Ion Battery production reached approximately 29,800 KWh?with an average global market price of around US\$ 90 per KWh, and a gross profit margin of approximately 10%-30%. A lithium polymer battery, or more correctly lithium-ion polymer battery (abbreviated as LiPo, LIP, Li-poly, lithium-poly and others), is a rechargeable battery of lithium-ion technology using a polymer electrolyte instead of a liquid electrolyte. High conductivity semisolid (gel) polymers form this electrolyte. These batteries provide higher specific energy than other lithium battery types and are used in applications where weight is a critical feature, such as mobile devices, radio-controlled aircraft and some electric vehicles.

China's policy on lithium-ion batteries mainly focuses on lithium-ion batteries. In 2015, in order to strengthen the management of lithium-ion battery industry and improve the development level of the industry, China formulated the Standard of Lithium-ion Battery Industry. the global sales of new energy vehicles reached 10.8 million units in 2022, with a year-on-year increase of 61.6%. In 2022, China new energy vehicle sales reached 6.8 million units, and the global share increased to 63.6%. In Q4 2022, sales penetration rate of China's new energy vehicle reached 27%, while the global average penetration rate was only 15%. Europe penetration was 19%, and North America penetration rate was only 6%. Lithium batteries will fully benefit from the high growth of downstream demand. According to the Ministry of Industry and Information Technology, China's lithium-ion battery production reached 750 GWh in 2022, up more than 130 percent year on year. Among them, the output of lithium energy storage battery

exceeded 100 GWh, and the total output value of the industry exceeded 1.2 trillion yuan. The industrial application of lithium battery was also growing rapidly. In 2022, the loading capacity of new energy vehicle power battery was about 295 GWh, and the new energy vehicle power battery was about 295 GWh. According to our research, in 2022, the overall global lithium-ion battery shipments were 957GWh, a year-on-year increase of 70%. Global vehicle power battery (EV LIB) shipments were 684GWh, a year-on-year increase of 84%; Energy storage battery (ESS LIB) shipments were 159.3GWh, a year-on-year increase of 140%.

This report studies the global Polymer Lithium-Ion Battery production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Polymer Lithium-Ion Battery 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 Polymer Lithium-Ion Battery that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Polymer Lithium-Ion Battery total production and demand, 2021-2032, (KWh)

Global Polymer Lithium-Ion Battery total production value, 2021-2032, (USD Million)

Global Polymer Lithium-Ion Battery production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (KWh), (based on production site)

Global Polymer Lithium-Ion Battery consumption by region & country, CAGR, 2021-2032 & (KWh)

U.S. VS China: Polymer Lithium-Ion Battery domestic production, consumption, key domestic manufacturers and share

Global Polymer Lithium-Ion Battery production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (KWh)

Global Polymer Lithium-Ion Battery production by Type, production, value, CAGR, 2021-2032, (USD Million) & (KWh)

Global Polymer Lithium-Ion Battery production by Application, production, value, CAGR, 2021-2032, (USD Million) & (KWh)

This report profiles key players in the global Polymer Lithium-Ion Battery market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include CATL (China), BYD (China), LG Energy Solution (South Korea), Panasonic (Japan), SK on (South Korea), Samsung SDI (South Korea),

CALB (China), Gotion High-tech (China), Sunwoda (China), SVOLT (China), 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 Polymer Lithium-Ion Battery market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (KWh) and average price (US\$/KWh) by manufacturer, 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 Polymer Lithium-Ion Battery Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Polymer Lithium-Ion Battery Market, Segmentation by Type:

NCx

LFP

Other

Global Polymer Lithium-Ion Battery Market, Segmentation by Packaging:

Soft-Pack Polymer Lithium Batteries

Laminated Polymer Lithium Batteries

Others

Global Polymer Lithium-Ion Battery Market, Segmentation by Capacity:

≤1000 mAh

1000-5000 mAh

≥5000 mAh

Global Polymer Lithium-Ion Battery Market, Segmentation by Application:

Consumer Electronics

Energy Storage

Power Tools

Others

Companies Profiled:

CATL (China)

BYD (China)

LG Energy Solution (South Korea)

Panasonic (Japan)

SK on (South Korea)

Samsung SDI (South Korea)

CALB (China)

Gotion High-tech (China)

Sunwoda (China)

SVOLT (China)

Farasis Energy (China)

Envision AESC (China)

EVE (China)

Key Questions Answered:

1. How big is the global Polymer Lithium-Ion Battery market?
2. What is the demand of the global Polymer Lithium-Ion Battery market?
3. What is the year over year growth of the global Polymer Lithium-Ion Battery market?
4. What is the production and production value of the global Polymer Lithium-Ion Battery market?
5. Who are the key producers in the global Polymer Lithium-Ion Battery market?
6. What are the growth factors driving the market demand?

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