

# Global LiFePO4 Battery Cell For ESS Supply, Demand and Key Producers, 2023-2029

<https://marketpublishers.com/r/GB22D94D59C6EN.html>

Date: October 2023

Pages: 111

Price: US\$ 4,480.00 (Single User License)

ID: GB22D94D59C6EN

## Abstracts

The global LiFePO4 Battery Cell For ESS market size is expected to reach \$ million by 2029, rising at a market growth of % CAGR during the forecast period (2023-2029).

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%.

Lithium iron phosphate is a compound LiFePO<sub>4</sub>, referred to as 'LFP'. LFP has good electrochemical performance and low resistance, and is one of the safest and most

stable cathode materials for lithium-ion batteries. Lithium iron phosphate battery is a kind of lithium ion battery, which uses lithium iron phosphate as the positive electrode material to store lithium ions. LFP batteries usually use graphite as the anode material. The chemistry of LFP batteries allows for high current ratings, good thermal stability, and long life cycles.

This report studies the global LiFePO<sub>4</sub> Battery Cell For ESS production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for LiFePO<sub>4</sub> Battery Cell For ESS, and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2022 as the base year. This report explores demand trends and competition, as well as details the characteristics of LiFePO<sub>4</sub> Battery Cell For ESS that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global LiFePO<sub>4</sub> Battery Cell For ESS total production and demand, 2018-2029, (K Wh)

Global LiFePO<sub>4</sub> Battery Cell For ESS total production value, 2018-2029, (USD Million)

Global LiFePO<sub>4</sub> Battery Cell For ESS production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (K Wh)

Global LiFePO<sub>4</sub> Battery Cell For ESS consumption by region & country, CAGR, 2018-2029 & (K Wh)

U.S. VS China: LiFePO<sub>4</sub> Battery Cell For ESS domestic production, consumption, key domestic manufacturers and share

Global LiFePO<sub>4</sub> Battery Cell For ESS production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (K Wh)

Global LiFePO<sub>4</sub> Battery Cell For ESS production by Type, production, value, CAGR, 2018-2029, (USD Million) & (K Wh)

Global LiFePO<sub>4</sub> Battery Cell For ESS production by Application production, value, CAGR, 2018-2029, (USD Million) & (K Wh).

This reports profiles key players in the global LiFePO<sub>4</sub> Battery Cell For ESS 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 BYD, Power Sonic, LITHIUM STORAGE, OptimumNano, Baoli New Energy Technology, AUCOPO, TOPBAND, SYL (NINGBO) BATTERY and Shenzhen Topband Battery, 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 LiFePO<sub>4</sub> Battery Cell For ESS market.

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Wh) and average price (US\$/Wh) by manufacturer, by Type, and by Application. Data is given for the years 2018-2029 by year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the forecast year.

Global LiFePO<sub>4</sub> Battery Cell For ESS Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

## Global LiFePO<sub>4</sub> Battery Cell For ESS Market, Segmentation by Type

Cylindrical

Square

Others

## Global LiFePO<sub>4</sub> Battery Cell For ESS Market, Segmentation by Application

Electric Vehicles

Energy Storage

Backup Power

Communication Base Station

Others

## Companies Profiled:

BYD

Power Sonic

LITHIUM STORAGE

OptimumNano

Baoli New Energy Technology

AUCOPO

TOPBAND

SYL (NINGBO) BATTERY

Shenzhen Topband Battery

Guangdong Zhicheng Champion Electrical Equipment Technology

Shandong Zhongshan Photoelectric Materials

Shenzhen GREPOW Battery

SHENZHEN AEROSPACE ELECTRONIC

Guangdong Superpack Technology

### Key Questions Answered

1. How big is the global LiFePO4 Battery Cell For ESS market?
2. What is the demand of the global LiFePO4 Battery Cell For ESS market?
3. What is the year over year growth of the global LiFePO4 Battery Cell For ESS market?
4. What is the production and production value of the global LiFePO4 Battery Cell For ESS market?
5. Who are the key producers in the global LiFePO4 Battery Cell For ESS market?

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