

LFP Cathode Material Industry Research Report 2024

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Abstracts

Li-phosphate offers good electrochemical performance with low resistance. This is made possible with nano-scale phosphate cathode material. The key benefits are high current rating and long cycle life, besides good thermal stability, enhanced safety and tolerance if abused.

Li-phosphate is more tolerant to full charge conditions and is less stressed than other lithium-ion systems if kept at high voltage for a prolonged time. As a trade-off, its lower nominal voltage of 3.2V/cell reduces the specific energy below that of cobalt-blended lithium-ion. With most batteries, cold temperature reduces performance and elevated storage temperature shortens the service life, and Li-phosphate is no exception. Li-phosphate has a higher self-discharge than other Li-ion batteries, which can cause balancing issues with aging. This can be mitigated by buying high quality cells and/or using sophisticated control electronics, both of which increase the cost of the pack. Cleanliness in manufacturing is of importance for longevity.

According to APO Research, The global LFP Cathode Material market was valued at US\$ million in 2023 and is anticipated to reach US\$ million by 2030, witnessing a CAGR of xx% during the forecast period 2024-2030.

In China, LFP Cathode Material key players include BTR New Energy Materials, Hunan Shenghua Technology, Guizhou Anda Energy Technology, etc.

Report Scope

This report aims to provide a comprehensive presentation of the global market for LFP Cathode Material, with both quantitative and qualitative analysis, to help readers develop business/growth strategies, assess the market competitive situation, analyze their position in the current marketplace, and make informed business decisions

regarding LFP Cathode Material.

The report will help the LFP Cathode Material manufacturers, new entrants, and industry chain related companies in this market with information on the revenues, sales volume, and average price for the overall market and the sub-segments across the different segments, by company, by Type, by Application, and by regions.

The LFP Cathode Material market size, estimations, and forecasts are provided in terms of sales volume (MT) and revenue (\$ millions), considering 2023 as the base year, with history and forecast data for the period from 2019 to 2030. This report segments the global LFP Cathode Material market comprehensively. Regional market sizes, concerning products by Type, by Application, and by players, are also provided. For a more in-depth understanding of the market, the report provides profiles of the competitive landscape, key competitors, and their respective market ranks. The report also discusses technological trends and new product developments.

Key Companies & Market Share Insights

In this section, the readers will gain an understanding of the key players competing. This report has studied the key growth strategies, such as innovative trends and developments, intensification of product portfolio, mergers and acquisitions, collaborations, new product innovation, and geographical expansion, undertaken by these participants to maintain their presence. Apart from business strategies, the study includes current developments and key financials. The readers will also get access to the data related to global revenue, price, and sales by manufacturers for the period 2019-2024. This all-inclusive report will certainly serve the clients to stay updated and make effective decisions in their businesses. Some of the prominent players reviewed in the research report include:

Guizhou Anda Energy Technology

BTR New Energy Materials

Hunan Shenghua Technology

Pulead Technology Industry

Tianjin STL Energy Technology

Shenzhen Dynanonic

Yantai Zhuoneng Battery Materials

Chongqing Terui Battery Materials

LFP Cathode Material segment by Type

Nano-LFP Cathode Material

Common-LFP Cathode Material

LFP Cathode Material segment by Application

Electric Vehicle

Base Station

LFP Cathode Material Segment by Region

North America

U.S.

Canada

Europe

Germany

France

U.K.

Italy

Russia

Asia-Pacific

China

Japan

South Korea

India

Australia

China Taiwan

Indonesia

Thailand

Malaysia

Latin America

Mexico

Brazil

Argentina

Middle East & Africa

Turkey

Saudi Arabia

UAE

Key Drivers & Barriers

High-impact rendering factors and drivers have been studied in this report to aid the readers to understand the general development. Moreover, the report includes restraints and challenges that may act as stumbling blocks on the way of the players. This will assist the users to be attentive and make informed decisions related to business. Specialists have also laid their focus on the upcoming business prospects.

Reasons to Buy This Report

1. This report will help the readers to understand the competition within the industries and strategies for the competitive environment to enhance the potential profit. The report also focuses on the competitive landscape of the global LFP Cathode Material market, and introduces in detail the market share, industry ranking, competitor ecosystem, market performance, new product development, operation situation, expansion, and acquisition. etc. of the main players, which helps the readers to identify the main competitors and deeply understand the competition pattern of the market.
2. This report will help stakeholders to understand the global industry status and trends of LFP Cathode Material and provides them with information on key market drivers, restraints, challenges, and opportunities.
3. This report will help stakeholders to understand competitors better and gain more insights to strengthen their position in their businesses. The competitive landscape section includes the market share and rank (in volume and value), competitor ecosystem, new product development, expansion, and acquisition.
4. This report stays updated with novel technology integration, features, and the latest developments in the market
5. This report helps stakeholders to gain insights into which regions to target globally
6. This report helps stakeholders to gain insights into the end-user perception concerning the adoption of LFP Cathode Material.
7. This report helps stakeholders to identify some of the key players in the market and understand their valuable contribution.

Chapter Outline

Chapter 1: Research objectives, research methods, data sources, data cross-validation;

Chapter 2: Introduces the report scope of the report, 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 market and its likely evolution in the short to mid-term, and long term.

Chapter 3: Detailed analysis of LFP Cathode Material manufacturers competitive landscape, price, production and value market share, latest development plan, merger, and acquisition information, etc.

Chapter 4: Provides profiles of key players, introducing the basic situation of the main companies in the market in detail, including product production/output, value, price, gross margin, product introduction, recent development, etc.

Chapter 5: Production/output, value of LFP Cathode Material by region/country. It provides a quantitative analysis of the market size and development potential of each region in the next six years.

Chapter 6: Consumption of LFP Cathode Material in regional level and country level. It 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 production of each country in the world.

Chapter 7: Provides the analysis of various market segments by type, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 8: Provides the analysis of various market segments by 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 9: Analysis of industrial chain, including the upstream and downstream of the industry.

Chapter 10: Introduces the market dynamics, 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 11: The main points and conclusions of the report.

Chapter 11: The main points and conclusions of the report.

Contents

1 PREFACE

- 1.1 Scope of Report
- 1.2 Reasons for Doing This Study
- 1.3 Research Methodology
- 1.4 Research Process
- 1.5 Data Source
 - 1.5.1 Secondary Sources
 - 1.5.2 Primary Sources

2 MARKET OVERVIEW

- 2.1 Product Definition
- 2.2 LFP Cathode Material by Type
 - 2.2.1 Market Value Comparison by Type (2019 VS 2023 VS 2030) & (US\$ Million)
 - 2.2.2 Nano-LFP Cathode Material
 - 2.2.3 Common-LFP Cathode Material
- 2.3 LFP Cathode Material by Application
 - 2.3.1 Market Value Comparison by Application (2019 VS 2023 VS 2030) & (US\$ Million)
 - 2.3.2 Electric Vehicle
 - 2.3.3 Base Station
- 2.4 Global Market Growth Prospects
 - 2.4.1 Global LFP Cathode Material Production Value Estimates and Forecasts (2019-2030)
 - 2.4.2 Global LFP Cathode Material Production Capacity Estimates and Forecasts (2019-2030)
 - 2.4.3 Global LFP Cathode Material Production Estimates and Forecasts (2019-2030)
 - 2.4.4 Global LFP Cathode Material Market Average Price (2019-2030)

3 MARKET COMPETITIVE LANDSCAPE BY MANUFACTURERS

- 3.1 Global LFP Cathode Material Production by Manufacturers (2019-2024)
- 3.2 Global LFP Cathode Material Production Value by Manufacturers (2019-2024)
- 3.3 Global LFP Cathode Material Average Price by Manufacturers (2019-2024)
- 3.4 Global LFP Cathode Material Industry Manufacturers Ranking, 2022 VS 2023 VS 2024

- 3.5 Global LFP Cathode Material Key Manufacturers, Manufacturing Sites & Headquarters
- 3.6 Global LFP Cathode Material Manufacturers, Product Type & Application
- 3.7 Global LFP Cathode Material Manufacturers, Date of Enter into This Industry
- 3.8 Global LFP Cathode Material Market CR5 and HHI
- 3.9 Global Manufacturers Mergers & Acquisition

4 MANUFACTURERS PROFILED

4.1 Guizhou Anda Energy Technology

- 4.1.1 Guizhou Anda Energy Technology LFP Cathode Material Company Information
- 4.1.2 Guizhou Anda Energy Technology LFP Cathode Material Business Overview
- 4.1.3 Guizhou Anda Energy Technology LFP Cathode Material Production Capacity, Value and Gross Margin (2019-2024)
- 4.1.4 Guizhou Anda Energy Technology Product Portfolio
- 4.1.5 Guizhou Anda Energy Technology Recent Developments

4.2 BTR New Energy Materials

- 4.2.1 BTR New Energy Materials LFP Cathode Material Company Information
- 4.2.2 BTR New Energy Materials LFP Cathode Material Business Overview
- 4.2.3 BTR New Energy Materials LFP Cathode Material Production Capacity, Value and Gross Margin (2019-2024)
- 4.2.4 BTR New Energy Materials Product Portfolio
- 4.2.5 BTR New Energy Materials Recent Developments

4.3 Hunan Shenghua Technology

- 4.3.1 Hunan Shenghua Technology LFP Cathode Material Company Information
- 4.3.2 Hunan Shenghua Technology LFP Cathode Material Business Overview
- 4.3.3 Hunan Shenghua Technology LFP Cathode Material Production Capacity, Value and Gross Margin (2019-2024)
- 4.3.4 Hunan Shenghua Technology Product Portfolio
- 4.3.5 Hunan Shenghua Technology Recent Developments

4.4 Pulead Technology Industry

- 4.4.1 Pulead Technology Industry LFP Cathode Material Company Information
- 4.4.2 Pulead Technology Industry LFP Cathode Material Business Overview
- 4.4.3 Pulead Technology Industry LFP Cathode Material Production Capacity, Value and Gross Margin (2019-2024)
- 4.4.4 Pulead Technology Industry Product Portfolio
- 4.4.5 Pulead Technology Industry Recent Developments

4.5 Tianjin STL Energy Technology

- 4.5.1 Tianjin STL Energy Technology LFP Cathode Material Company Information

- 4.5.2 Tianjin STL Energy Technology LFP Cathode Material Business Overview
- 4.5.3 Tianjin STL Energy Technology LFP Cathode Material Production Capacity, Value and Gross Margin (2019-2024)
- 4.5.4 Tianjin STL Energy Technology Product Portfolio
- 4.5.5 Tianjin STL Energy Technology Recent Developments
- 4.6 Shenzhen Dynanonic
 - 4.6.1 Shenzhen Dynanonic LFP Cathode Material Company Information
 - 4.6.2 Shenzhen Dynanonic LFP Cathode Material Business Overview
 - 4.6.3 Shenzhen Dynanonic LFP Cathode Material Production Capacity, Value and Gross Margin (2019-2024)
 - 4.6.4 Shenzhen Dynanonic Product Portfolio
 - 4.6.5 Shenzhen Dynanonic Recent Developments
- 4.7 Yantai Zhuoneng Battery Materials
 - 4.7.1 Yantai Zhuoneng Battery Materials LFP Cathode Material Company Information
 - 4.7.2 Yantai Zhuoneng Battery Materials LFP Cathode Material Business Overview
 - 4.7.3 Yantai Zhuoneng Battery Materials LFP Cathode Material Production Capacity, Value and Gross Margin (2019-2024)
 - 4.7.4 Yantai Zhuoneng Battery Materials Product Portfolio
 - 4.7.5 Yantai Zhuoneng Battery Materials Recent Developments
- 4.8 Chongqing Terui Battery Materials
 - 4.8.1 Chongqing Terui Battery Materials LFP Cathode Material Company Information
 - 4.8.2 Chongqing Terui Battery Materials LFP Cathode Material Business Overview
 - 4.8.3 Chongqing Terui Battery Materials LFP Cathode Material Production Capacity, Value and Gross Margin (2019-2024)
 - 4.8.4 Chongqing Terui Battery Materials Product Portfolio
 - 4.8.5 Chongqing Terui Battery Materials Recent Developments

5 GLOBAL LFP CATHODE MATERIAL PRODUCTION BY REGION

- 5.1 Global LFP Cathode Material Production Estimates and Forecasts by Region: 2019 VS 2023 VS 2030
- 5.2 Global LFP Cathode Material Production by Region: 2019-2030
 - 5.2.1 Global LFP Cathode Material Production by Region: 2019-2024
 - 5.2.2 Global LFP Cathode Material Production Forecast by Region (2025-2030)
- 5.3 Global LFP Cathode Material Production Value Estimates and Forecasts by Region: 2019 VS 2023 VS 2030
- 5.4 Global LFP Cathode Material Production Value by Region: 2019-2030
 - 5.4.1 Global LFP Cathode Material Production Value by Region: 2019-2024
 - 5.4.2 Global LFP Cathode Material Production Value Forecast by Region (2025-2030)

5.5 Global LFP Cathode Material Market Price Analysis by Region (2019-2024)

5.6 Global LFP Cathode Material Production and Value, YOY Growth

5.6.1 North America LFP Cathode Material Production Value Estimates and Forecasts (2019-2030)

5.6.2 Europe LFP Cathode Material Production Value Estimates and Forecasts (2019-2030)

5.6.3 China LFP Cathode Material Production Value Estimates and Forecasts (2019-2030)

5.6.4 Japan LFP Cathode Material Production Value Estimates and Forecasts (2019-2030)

6 GLOBAL LFP CATHODE MATERIAL CONSUMPTION BY REGION

6.1 Global LFP Cathode Material Consumption Estimates and Forecasts by Region: 2019 VS 2023 VS 2030

6.2 Global LFP Cathode Material Consumption by Region (2019-2030)

6.2.1 Global LFP Cathode Material Consumption by Region: 2019-2030

6.2.2 Global LFP Cathode Material Forecasted Consumption by Region (2025-2030)

6.3 North America

6.3.1 North America LFP Cathode Material Consumption Growth Rate by Country: 2019 VS 2023 VS 2030

6.3.2 North America LFP Cathode Material Consumption by Country (2019-2030)

6.3.3 U.S.

6.3.4 Canada

6.4 Europe

6.4.1 Europe LFP Cathode Material Consumption Growth Rate by Country: 2019 VS 2023 VS 2030

6.4.2 Europe LFP Cathode Material Consumption by Country (2019-2030)

6.4.3 Germany

6.4.4 France

6.4.5 U.K.

6.4.6 Italy

6.4.7 Russia

6.5 Asia Pacific

6.5.1 Asia Pacific LFP Cathode Material Consumption Growth Rate by Country: 2019 VS 2023 VS 2030

6.5.2 Asia Pacific LFP Cathode Material Consumption by Country (2019-2030)

6.5.3 China

6.5.4 Japan

6.5.5 South Korea

6.5.6 China Taiwan

6.5.7 Southeast Asia

6.5.8 India

6.5.9 Australia

6.6 Latin America, Middle East & Africa

6.6.1 Latin America, Middle East & Africa LFP Cathode Material Consumption Growth Rate by Country: 2019 VS 2023 VS 2030

6.6.2 Latin America, Middle East & Africa LFP Cathode Material Consumption by Country (2019-2030)

6.6.3 Mexico

6.6.4 Brazil

6.6.5 Turkey

6.6.5 GCC Countries

7 SEGMENT BY TYPE

7.1 Global LFP Cathode Material Production by Type (2019-2030)

7.1.1 Global LFP Cathode Material Production by Type (2019-2030) & (MT)

7.1.2 Global LFP Cathode Material Production Market Share by Type (2019-2030)

7.2 Global LFP Cathode Material Production Value by Type (2019-2030)

7.2.1 Global LFP Cathode Material Production Value by Type (2019-2030) & (US\$ Million)

7.2.2 Global LFP Cathode Material Production Value Market Share by Type (2019-2030)

7.3 Global LFP Cathode Material Price by Type (2019-2030)

8 SEGMENT BY APPLICATION

8.1 Global LFP Cathode Material Production by Application (2019-2030)

8.1.1 Global LFP Cathode Material Production by Application (2019-2030) & (MT)

8.1.2 Global LFP Cathode Material Production by Application (2019-2030) & (MT)

8.2 Global LFP Cathode Material Production Value by Application (2019-2030)

8.2.1 Global LFP Cathode Material Production Value by Application (2019-2030) & (US\$ Million)

8.2.2 Global LFP Cathode Material Production Value Market Share by Application (2019-2030)

8.3 Global LFP Cathode Material Price by Application (2019-2030)

9 VALUE CHAIN AND SALES CHANNELS ANALYSIS OF THE MARKET

9.1 LFP Cathode Material Value Chain Analysis

9.1.1 LFP Cathode Material Key Raw Materials

9.1.2 Raw Materials Key Suppliers

9.1.3 LFP Cathode Material Production Mode & Process

9.2 LFP Cathode Material Sales Channels Analysis

9.2.1 Direct Comparison with Distribution Share

9.2.2 LFP Cathode Material Distributors

9.2.3 LFP Cathode Material Customers

10 GLOBAL LFP CATHODE MATERIAL ANALYZING MARKET DYNAMICS

10.1 LFP Cathode Material Industry Trends

10.2 LFP Cathode Material Industry Drivers

10.3 LFP Cathode Material Industry Opportunities and Challenges

10.4 LFP Cathode Material Industry Restraints

11 REPORT CONCLUSION

12 DISCLAIMER

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