

Research Report on China's Li-ion Power Battery Industry, 2018-2022

<https://marketpublishers.com/r/RA13D1D3022EN.html>

Date: July 2018

Pages: 50

Price: US\$ 2,400.00 (Single User License)

ID: RA13D1D3022EN

Abstracts

Description

Driven by the support of government policies and the demand of downstream markets, the production and sales volume of new energy vehicles (all electric vehicles) are growing rapidly in China in recent years. In 2017, the sales volume of new energy vehicles totaled 777,000, increasing by 53.3% YOY and accounting for 2.7% of the total vehicle sales in China. In 2017, the sales volume of battery electric vehicles and plug-in hybrid vehicles reached 652,000 and 125,000 respectively.

The boom in the electric vehicle industry will lead to the substantial growth of lithium batteries and relevant industries. In 2017, China, Japan and South Korea became the power battery production centers in the world. Chinese enterprises took six places of the top 10 power battery manufacturers and three places of the top 5. China has grown into a significant li-ion power battery manufacturer. From the perspective of li-ion power battery shipments, the industry is highly concentrated with the CR10 reaching approximately 80% in 2017. The top li-ion power battery enterprises include Contemporary Amperex Technology Co., Ltd., BYD Company Limited, OptimumNano Energy Co., Ltd., Hefei Guoxuan High-Tech Power Energy Co., Ltd., Shenzhen BAK Battery Co., Ltd. and Farasis Energy (Ganzhou) Co., Ltd. It is noteworthy that the CR5 of the Li-ion power battery industry was up to 67.86% in 2016. In recent years, top li-ion power battery manufacturers expanded production capacity one after another, and formed alliances with downstream automakers (for example, CATL + SAIC and Guoxuan + BAIC) to gain scale advantage when seizing customers.

There are clear expectations for new energy vehicles with the government's great policy support and the upcoming "Measures on Parallel Administration of Passenger Car

Enterprise Average Fuel Consumption and New-Energy Vehicle Credits". Moreover, no disruptive technology will appear in the power battery industry for the time being. Over the coming 3-5 years, it will be difficult to change the industry structure dominated by ternary batteries and supplemented by lithium iron phosphate batteries. At present, the industry focuses are placed on expanding production capacity for scale advantage and cooperating with automakers for market advantage. The development of new energy vehicles is an important driving force for the development of China's li-ion power battery industry in which the policy environment and economic environment also play an important role. It is expected that li-ion power battery production in China will exceed 150GWh in 2022. There is still a large growth potential for China's li-ion power battery market.

Topics Covered:

Development environment of the li-ion power battery industry

Li-ion power battery supply and demand in China

Competition in the li-ion power battery industry

Analysis on major li-ion power battery manufacturers

Costs and price trend of li-ion power batteries

Driving forces and market opportunities for China's li-ion power battery industry, 2018-2022

Prospect of China's li-ion power battery industry, 2018-2022

Contents

1 BASIC CONCEPTS OF LI-ION POWER BATTERIES

1.1 Definition and Classification of Li-ion Power Batteries

1.1.1 Definition of Li-ion Power Batteries

1.1.2 Classification of Li-ion Power Batteries

1.2 Methodology

1.2.1 Parameters and Assumptions

1.2.2 Data Sources

2 ANALYSIS ON CHINA'S LI-ION POWER BATTERY INDUSTRY, 2013-2017

2.1 Development Environment of China's Li-ion Power Battery Industry

2.1.1 Economic Environment

2.1.2 Policy Environment

2.1.3 Socio-cultural Environment

2.1.4 Technology Environment

2.2 Analysis on Supply of Li-ion Power Batteries in China, 2013-2017

2.2.1 Production Capacity

2.2.2 Production Volume

2.3 Analysis on Demand for Li-ion Power Batteries in China

2.3.1 Major Downstream Industries of Li-ion Power Batteries

2.3.2 Market Size of Li-ion Power Batteries in China

3 COMPETITION IN CHINA'S LI-ION POWER BATTERY INDUSTRY, 2015-2018

3.1 Barriers to Entry in China's Li-ion Power Battery Industry

3.1.1 Policy Barriers

3.1.2 Capital Barriers

3.1.3 Brand Barriers

3.1.4 Technological Barriers

3.2 Competition Structure of China's Li-ion Power Battery Industry

3.2.1 Bargaining Power of Li-ion Power Battery Suppliers

3.2.2 Bargaining Power of Li-ion Power Battery Consumers

3.2.3 Internal Competition of China's Li-ion Power Battery Industry

3.2.4 Potential Entrants to Li-ion Power Battery Industry

3.2.5 Substitutes for Li-ion Power Batteries

4 ANALYSIS ON MAJOR LI-ION POWER BATTERY MANUFACTURERS IN CHINA, 2015-2018

4.1 BYD Company Limited

4.1.1 Enterprise Profile

4.2 Contemporary Amperex Technology Co., Ltd.

4.3 OptimumNano Energy Co., Ltd.

4.4 Hefei Guoxuan High-Tech Power Energy Co., Ltd.

4.5 Tianjin Lishen Battery Joint-Stock Co., Ltd.

5 ANALYSIS ON RAW MATERIAL COSTS AND PRICES OF LI-ION POWER BATTERIES IN CHINA, 2013-2017

5.1 Analysis on Raw Material Costs of Li-ion Power Batteries, 2013-2017

5.1.1 Supply of Lithium

5.1.2 Supply of Cobalt

5.1.3 Supply of Nickel

5.2 Analysis on Market Price of Li-ion Power Batteries in China, 2013-2017

6 FORECAST ON DEVELOPMENT OF CHINA'S LI-ION POWER BATTERY INDUSTRY, 2018-2022

6.1 Factors Influencing Development of China's Li-ion Power Battery Industry

6.1.1 Major Driving Forces and Market Opportunities for China's Li-ion Power Battery Industry

6.1.2 Threats and Challenges to China's Li-ion Power Battery Industry

6.2 Forecast on Li-ion Power Battery Supply in China

6.3 Forecast on Li-ion Power Battery Demand in China

Selected Charts

SELECTED CHARTS

Chart Major Cathode Materials

Chart Major Anode Materials

Chart Forms of Power Battery Packaging

Chart Sales Volume and Growth Rate of New Energy Vehicles in China, 2013-2017

Chart Subsidy Policies on New Energy Vehicles in China, 2017-2020

Chart Major Li-ion Power Battery Policies in China

Chart Power Battery Shipments in China, 2013-2017

Chart Production Capacity and Capacity Expansion of Major Li-ion Power Battery Manufacturers in China

Chart Profile of BYD Company Limited

Chart BYD's Operating Revenue from Rechargeable Power Batteries

Chart Estimated Lithium Salts Cost of Electric Vehicle Power Batteries

Chart Price Trend of Battery-Grade Lithium Carbonate, 2015-2018

Chart Estimated Cost of Cobalt Salts in Li-ion Batteries

Chart Forecast on Production Volume of Li-ion Power Batteries in China, 2015-2022

I would like to order

Product name: Research Report on China's Li-ion Power Battery Industry, 2018-2022

Product link: <https://marketpublishers.com/r/RA13D1D3022EN.html>

Price: US\$ 2,400.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/RA13D1D3022EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970