

# China LIB Bicycle Industry Analysis Report in 2016

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## Abstracts

LIB bicycle has over 20 years development, lead-acid battery was the mainstream battery. According to the research from GGII, the electric bicycle parc has exceeded 200 million in China by 2015; 80% were lead-acid battery bicycles, less than 20% were LIB power bicycles. The aggregate output of electric bicycle was 21.95 million units in 2015, which is 9.7% YoY drop. The sales volume of lead-acid battery bicycle was 25.65 million units, with 13% YoY decline; the sales volume of li-ion battery bicycle was 3.5 million units, with 22.8% YoY growth, which account for 12% of total electric bicycle sales.

Lead-acid battery bicycle has passed the growth stage of the industrial life cycle, and entered recession stage. On the contrary, li-ion battery bicycle is on the growing stage with strong demand, which the market penetration rate raised from 7.4% to 12.01% since 2013.

As li-ion battery technology developed and cost reduced, the demand of electric bicycle li-ion battery module is increasing. According to the research from GGII, the sales volume of li-ion battery module was 407 sets, and 350 out of 407 were pair with bicycle, which account for 85.9%. The volume in secondary market was 570 thousand sets, which is 14.1%. GGII forecasted the standards of li-ion battery module and lead-acid battery module will unify, the li-ion battery module can be used in lead-acid bicycle.

The mainstream electric bicycle power is lead acid battery currently, however, as the price gap decrease between li-ion battery and lead acid battery, "Internet+ marketing mode" impacts, and new national standard requirement comes out, GGII predicts li-ion electric bicycle will grow rapidly in future 3 years, the output of li-ion electric bicycle could reach 8 million units till 2018, penetration rate exceed 30%, and li-ion electric bicycle parc will exceed 25 million units.

Many companies see bicycle used li-ion battery as stepping stones to xEV battery industry, however, many companies did not understand the circumstance of the industry when they entered the field. GGII implemented on-site research tour to major electric bicycle companies, bicycle used battery companies, and components companies, interviewed leading managers, in order to collect first hand data.

## **INTRODUCTION**

In this report, GGII analyzes LIB bicycle market in China. It will provide you with a comprehensive understanding of this industry from the following aspects: market size, status in the world, product structure, company analysis of major players, etc., as well as make scientific prediction on the future development LIB bicycle industry.

The Aim of this report

To provide readers with comprehensive & in-depth understanding of Chinese LIB bicycle industry;

To understand position of Chinese LIB bicycle in the world;

Get more information of the major LIB bicycle companies;

To predict what future of Chinas LIB bicycle industry will be;

To find out the key strengths and weakness of Chinas LIB bicycle companies, and the threats and opportunities they face;

## Contents

### **1 ELECTRIC BICYCLE INDUSTRY DEVELOPMENT IN CHINA**

- 1.1 Market Feature
- 1.2 Industrial Competition

### **2 LI-ION BATTERY BICYCLE INDUSTRY OVERVIEW**

- 2.1 Market Development and Feature
- 2.2 Market Size and Output
- 2.3 Competitive Structure
- 2.4 Development Trend
  - 2.4.1 Competitive Trend
  - 2.4.2 Product Development Trend
  - 2.4.3 Sales Forecasting

### **3 BICYCLE USED BATTERY MARKET IN CHINA**

- 3.1 Industrial Feature
- 3.2 Output of Bicycle Used Li-ion Battery Company
- 3.3 Market Size and Output

### **4 UPSTREAM AND DOWNSTREAM**

- 4.1 Major Battery Supplier
- 4.2 Market Price

### **5 BICYCLE USED LI-ION BATTERY TECHNOLOGY DEVELOPMENT**

- 5.1 Performance Requirement
- 5.2 Technology Development Trend
- 5.3 Industry Development Forecasting

### **6 BELLWETHER COMPANY IN CHINA**

- 6.1 Market Overview
- 6.2 Company Analysis
  - 6.2.1 Zhejiang Tianneng Energy Technology Co., Ltd

- 6.2.2 Suzhou Phylion Battery Co., Ltd
- 6.2.3 Zhejiang Chaowei Chuangyuan Industrial Co., Ltd
- 6.2.4 Hunan Yeshine Kingco New Energy Co., Ltd
- 6.2.5 Far East First New Energy Co., Ltd
- 6.2.6 Shenzhen Zhuoneng New Energy Co., Ltd
- 6.3 SWOT Analysis

## **7 BICYCLE USED LI-ION BATTERY MARKET OPPORTUNITY IN CHINA**

- 7.1 Market Opportunity
- 7.2 Investment Risks
- 7.1 Recommendation

### **TABLE OF FIGURE**

- Figure 5 Sales and Penetration Rate of Li-ion Electric Bicycle in China
- Figure 6 Li-ion Electric Bicycle Sales Growth Trend in China, 2013-2018
- Figure 21 Electric Bicycle Used Li-ion Battery Output Forecasting in China, 2013-2020
- Figure 22 Electric Bicycle Used Li-ion Battery Price and Prospective, 2013-2020

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