

# Global and China Lithium Battery Electrolyte Industry Report, 2016-2020

<https://marketpublishers.com/r/G654DD9270CEN.html>

Date: January 2016

Pages: 105

Price: US\$ 2,150.00 (Single User License)

ID: G654DD9270CEN

## Abstracts

Driven by emerging application markets such as new energy vehicles and industrial energy storage, the global lithium battery electrolyte market has been growing steadily. In 2015, the sales volume jumped by 42.1% year on year to 117,000 tons; and it is expected to exceed 600,000 tons in 2020.

As the world's largest consumer of lithium battery electrolyte, China sold 63,000 tons of lithium battery electrolyte in 2015, up 48.9% year on year; the output value amounted to RMB2.86 billion, a year-on-year surge of 52.2%. The output value grew faster than the sales volume mainly because: First, functional electrolyte which is expensive than conventional electrolytic accounted for a rising proportion of the sales volume. Second, the soaring raw material prices pushed up the electrolyte price from RMB90,000/ton in early 2015 to over RMB200,000/ton at the end of the year. The uptrend is expected to continue in 2016.

By applications, electric vehicle and energy storage will become major growth engines of lithium batteries. The global shipment of electric vehicle power lithium battery surged beyond 110% year on year to 20.8GWh in 2015, and will grow at the CAGR of above 50% in 2016-2020. However, the shipment of small lithium batteries used for consumer electronics represented by smart phones and tablet PCs will see sharp slowdown with an expected growth rate of 5% -10% in the future.

Concerning the development trend, high voltage and temperature-resistant electrolyte will be the focus, mainly because: First, high voltage electrolyte (above 4.35V) makes up about 70% in the consumer electronics field, and the proportion will rise further in future. Second, high-voltage cathode materials are developing rapidly in the field of power and energy storage batteries, but the high-voltage resistant electrolyte is

relatively backward now; only a small number of Japanese and American companies master high-voltage 5V electrolyte production technology, and the majority of Chinese enterprises have embarked on R & D of high-voltage electrolyte, but lagging behind the international level.

In terms of competitive landscape, the global lithium battery electrolyte market is highly concentrated. In 2015, the world's top ten electrolyte companies seized the combined market share of approximately 62.2%. Capchem replaced Panax-Etec to become the world's largest manufacturer of lithium battery electrolyte with the market share of 9.2%, and Panax-Etec ranked second with 8.8%. Over the same period, China's top ten electrolyte manufacturers occupied the combined market share of over 85%.

Panax-Etec sells 55% of its products to its biggest lithium electrolyte client -- Samsung SDI. In addition, the company shares some of its electrolyte patents with Samsung SDI.

Being optimistic about Chinese new energy vehicle market, Mitsubishi Chemical has set up lithium battery electrolyte production base (Changshu city) and anode material production base (Qingdao city) in China, with the lithium battery electrolyte capacity of 10,000 t/a.

Capchem acquired 76% stake in Zhangjiagang Hicomer Chemical Co., Ltd. (a producer of lithium battery additives) in 2014 to get involved in the upstream electrolyte industry chain. In 2015, it raised the lithium battery electrolyte capacity to 20,000 t/a, but its capacity utilization desired to be improved.

Guotai Huarong put its 5,000 t/a lithium battery electrolyte project into operation formally in 2015, so that the company's lithium battery electrolyte capacity was expanded to 10,000 t/a. In addition, the company has also established South Korea Guotai Huarong to cooperate with South Korean customers in R & D of lithium battery electrolyte.

Global and China Lithium Battery Electrolyte Industry Report, 2016-2020 by ResearchInChina highlights the followings:

Development history, market size, competition pattern, development trend, etc. of lithium battery electrolyte worldwide;

Market size, market price, competitive landscape, etc. of lithium battery electrolyte industry in China;

Market size, competition, etc. of main upstream and downstream lithium battery electrolyte industries;

Operation, customers, production, marketing, etc. of six foreign and ten Chinese lithium battery electrolyte manufacturers.

## Contents

### **1 OVERVIEW OF LITHIUM BATTERY ELECTROLYTE INDUSTRY**

- 1.1 Definition
- 1.2 Classification
- 1.3 Industry Chain

### **2 STATUS QUO OF GLOBAL LITHIUM BATTERY ELECTROLYTE MARKET**

- 2.1 Development History
- 2.2 Market Size
- 2.3 Market Structure
- 2.4 Major Producers
  - 2.4.1 Japan
  - 2.4.2 South Korea
- 2.5 Development Trend

### **3 STATUS QUO OF CHINA LITHIUM BATTERY ELECTROLYTE MARKET**

- 3.1 Current Situation
- 3.2 Market Size
- 3.3 Price
- 3.4 Enterprise Competition
- 3.5 Development Trend

### **4 UPSTREAM AND DOWNSTREAM SEGMENTS OF LITHIUM BATTERY ELECTROLYTE INDUSTRY**

- 4.1 Upstream Segments
  - 4.1.1 Lithium Hexafluorophosphate
  - 4.1.2 Lithium Carbonate
  - 4.1.3 Solvent
  - 4.1.4 Additives
- 4.2 Downstream Applications
  - 4.2.1 Consumer Electronics (3C)
  - 4.2.2 Electric Vehicle
  - 4.2.3 Industrial Energy-storage Market

## **5 STATUS QUO OF LITHIUM BATTERY MARKET**

### 5.1 Market Size

#### 5.1.1 Global

#### 5.1.2 China

### 5.2 Market Structure

#### 5.2.1 Global

#### 5.2.2 China

### 5.3 Competition Pattern

#### 5.3.1 Global

#### 5.3.2 China

## **6 KEY PLAYERS IN THE WORLD**

### 6.1 Mitsubishi Chemical Corporation

#### 6.1.1 Profile

#### 6.1.2 Development History and Prospects

#### 6.1.3 Production Base

#### 6.1.4 Lithium Battery Electrolyte Business

#### 6.1.5 Layout in China

#### 6.1.6 Core Competitiveness

#### 6.1.7 Operating Data

### 6.2 UBE Industries, Ltd.

#### 6.2.1 Profile

#### 6.2.2 Affiliates

#### 6.2.3 Development History and Prospects

#### 6.2.4 Main Products

#### 6.2.5 Lithium Battery Electrolyte Business

#### 6.2.6 Core Competitiveness

#### 6.2.7 Operating Data

### 6.3 Panax-Etec Co., Ltd.

#### 6.3.1 Profile

#### 6.3.2 Development History

#### 6.3.3 Lithium Battery Electrolyte Business

### 6.4 LG Chem

#### 6.4.1 Profile

#### 6.4.2 Development History and Prospects

#### 6.4.3 Lithium Battery Electrolyte Business

#### 6.4.4 Core Competitiveness

- 6.4.5 Operating Data
- 6.5 Others
  - 6.5.1 BSF
  - 6.5.2 Mitsui Chemicals, Inc.

## **7 KEY PLAYERS IN CHINA**

- 7.1 Shenzhen Capchem Technology Co., Ltd.
  - 7.1.1 Profile
  - 7.1.2 Affiliates
  - 7.1.3 Development History and Prospects
  - 7.1.4 Products, Technologies, and Solutions
  - 7.1.5 Customers
  - 7.1.6 Capacity and Base Layout
  - 7.1.7 Output, Sales Volume and Revenue
  - 7.1.8 Core Competitiveness
  - 7.1.9 Operating Data
- 7.2 Zhangjiagang Guotai Huarong Chemical New Material Co., Ltd.
  - 7.2.1 Profile
  - 7.2.2 Affiliates
  - 7.2.3 Development History and Prospects
  - 7.2.4 Products, Technologies, and Solutions
  - 7.2.5 Customers
  - 7.2.6 Output, Sales Volume, Revenue and Price
  - 7.2.7 Core Competitiveness
  - 7.2.8 Operating Data
- 7.3 Guangzhou Tinci Materials Technology Co., Ltd.
  - 7.3.1 Profile
  - 7.3.2 Affiliates
  - 7.3.3 Development History and Prospects
  - 7.3.4 Products, Technologies, and Solutions
  - 7.3.5 Customers
  - 7.3.6 Marketing Network
  - 7.3.7 Output and Sales Volume
  - 7.3.8 Core Competitiveness
  - 7.3.9 Operating Data
- 7.4 Tianjin Jinniu Power Sources Material Co., Ltd.
  - 7.4.1 Profile
  - 7.4.2 Affiliates

- 7.4.3 Development History and Prospects
- 7.4.4 Customers
- 7.4.5 Output and Sales Volume
- 7.4.6 Core Competitiveness
- 7.5 Dongguan Shanshan Battery Materials Co., Ltd.
  - 7.5.1 Profile
  - 7.5.2 Affiliates
  - 7.5.3 Development History and Prospects
  - 7.5.4 Products, Technologies, and Solutions
  - 7.5.5 Customers
  - 7.5.6 Supply System
  - 7.5.7 Output and Sales Volume
  - 7.5.8 Core Competitiveness
  - 7.5.9 Operating Data
- 7.6 Others
  - 7.6.1 Zhuhai Smoothway Electronic Materials Co., Ltd.
  - 7.6.2 Beijing Institute of Chemical Reagents
  - 7.6.3 Shantou Jinguang High-Tech Co., Ltd.
  - 7.6.4 Huzhou Chuangya Power Battery Materials Co., Ltd.
  - 7.6.5 Xianghe Kunlun Chemical Co., Ltd.

## **8 SUMMARY AND FORECAST**

- 8.1 Market
- 8.2 Enterprises

## Selected Charts

### SELECTED CHARTS

Key Composition of Lithium ion Battery

Electrolyte Composition

Classification of Lithium Battery Electrolyte

Lithium Battery Industry Chain

Global Lithium Battery Electrolyte Development History

Global Lithium Battery Electrolyte Market Size and Growth Rate, 2012-2020E

Sales Volume and Growth Rate of Global Lithium Battery Electrolyte, 2011-2020E

Sales Structure of Global Lithium Battery Electrolyte by Region, 2011-2016

Sales Volume of Key Global Lithium Battery Electrolyte Manufacturers and Their Major Customers, 2015

Market Share of Global Electrolyte Manufacturers, 2014

Market Share of Global Electrolyte Manufacturers, 2015

Sales Volume of Lithium Battery Electrolyte in Japan, 2011-2016E

Sales Volume of Lithium Battery Electrolyte in South Korea, 2011-2016E

Proportion of China's Lithium Battery Electrolyte in Global Total by Sales Volume, 2011-2020E

Lithium Battery Electrolyte Market Size and Growth Rate in China, 2012-2020E

Sales Volume and Growth Rate of Lithium Battery Electrolyte in China, 2011-2020E

Conventional Electrolyte Price Trend in China, 2011-2016E

Functional Electrolyte Price Trend in China, 2011-2016E

Revenue and Capacity of Lithium Battery Electrolyte Manufacturers in China, 2015

Market Share of Lithium Battery Electrolyte Manufacturers in China, 2015

Production Process of LiFP6

Differences between Domestic and Foreign LiFP6 Technologies

Cost Structure of Electrolyte, 2015

LiFP6 Output in China, 2011-2020E

Competitive Landscape of Global LiFP6 Enterprises, 2014

Competitive Landscape of Chinese LiFP6 Enterprises, 2014

Capacity of Major Global LiFP6 Manufacturers, 2015

LiFP6 Projects of Major Chinese Manufacturers, 2015

LiFP6 Production Cost Structure, 2015

Global LiFP6 Price Trend, 2009-2016E

Global and China's Lithium Carbonate Output, 2010-2020E

Global Lithium Carbonate Demand Structure, 2014-2015

Lithium Carbonate Apparent Consumption in China, 2010-2020E



Competitive Landscape of Global Lithium Carbonate Market, 2014  
Competitive Landscape of Chinese Lithium Carbonate Market, 2014  
High Purity Lithium Carbonate Capacity of Some Chinese Companies  
Battery Lithium Carbonate Price in China, 2013-2015  
Global Lithium Battery Electrolyte Solvent Output, 2011-2020E  
Status Quo of Domestic and Foreign Carbonate Solvent Industries  
Global Lithium Battery Electrolyte Additive Market Size, 2014-2020E  
Demand Structure of Global Lithium Batteries, 2012-2020E  
Demand and Growth Rate of Global Consumer Electronics Lithium-ion Batteries, 2013-2020E  
Global Mobile Phone Sales Volume and Lithium Battery Demand, 2012-2020E  
Global Tablet PC Sales Volume and Lithium Battery Demand, 2012-2020E  
Competitive Landscape of Global Tablet PC Market, 2013-2015  
Global Laptop Sales Volume and Lithium Battery Demand, 2012-2020E  
Global Electronic Cigarette Sales Volume and % of Total, 2012-2020E  
Global Electric Passenger Car (EV&PHEV) Sales Volume, 2011-2020E  
Global Electric Vehicle Sales Volume, 2010-2050E  
Battery Capacity and Endurance of Global Major Electric Vehicles  
Battery Capacity of a Single Electric Passenger Car Worldwide, 2011-2020E  
Demand of Global Electric Passenger Cars for Power Batteries, 2011-2020E  
Demand of Global Electric Vehicles for Power Batteries (by Type), 2011-2020E  
China's Electric Passenger Car (EV&PHEV) Sales Volume, 2011-2020E  
Proportion of China's Electric Passenger Cars in Global Total by Sales Volume, 2011-2020E  
China's Demand for Power Lithium Battery (by Type), 2011-2020E  
Scale and Share of Chinese Power Lithium Battery Industry, 2010-2016E  
Number of Chinese Mobile Base Stations, 2009-2016E  
China's Demand for Energy Storage Lithium Battery, 2015/2020E  
Energy Storage Lithium Battery Demand Structure in China (by Sector), 2020E  
Energy Storage Demand (by Application), 2014-2020E (MWh)  
Energy Storage Battery Manufacturers in China  
Lithium Battery Structure  
Global Battery Product Structure, 2014  
Global Lithium Battery Market Demand and Scale, 2011-2020E  
Lithium Battery Sales Volume and Market Size in China, 2011-2020E  
Lithium Battery Export Volume and Value in China, 2007-2016E  
Global Lithium Battery Sales Structure (by Country), 2011-2015  
Sales Structure of Lithium Batteries in China (by Province/Municipality), 2013-2015  
Division of Global Lithium Battery Manufacturers

Competitive Landscape of Global Small Lithium Battery Manufacturers, 2014  
Share of Global New Energy Passenger Car-use Battery Manufacturers, 2014  
Global New Energy Passenger Car-use Power Lithium Battery Shipment and Share, 2013-2014  
Competitive Landscape of Chinese Lithium Battery Market, 2014  
Major Lithium Battery Manufacturers in China  
Power Lithium Battery Supply System in China  
New Energy Passenger Car-use Power Battery Supply Structure in China (by Technology), 2015H1  
Market Share of Major Battery Manufacturers, 2015H1  
Shipment of Major Battery Manufacturers, 2015H1 (MWh)  
Global Marketing Network of Mitsubishi Chemical  
Development History of Mitsubishi Chemical  
Distribution of Mitsubishi Chemical's Major Production Bases  
Distribution of Mitsubishi Chemical's Lithium Battery Electrolyte Production Bases and Capacity  
Lithium Battery Electrolyte Sales Volume of Mitsubishi Chemical, FY2010-FY2016E  
Main Layout of Mitsubishi Chemical in China  
Revenue and Operating Income of Mitsubishi Chemical, FY2008-FY2015  
Main Affiliates of UBE Industries  
Development History of UBE Industries  
Main Products of UBE Industries  
Lithium Battery Electrolyte Sales Volume of UBE Industries, FY2010-FY2016E  
Electrolyte Production Bases of UBE Industries  
Revenue and Operating Income of UBE Industries, FY2009-FY2015  
Panax-Etec's Global layout  
Panax-Etec's Development History  
Panax-Etec's Lithium Battery Electrolyte Sales Volume, 2011-2016  
LGC's Global Marketing Network  
LGC's Equity Structure, 2015  
LGC's Development History  
LGC's Information Electronic Materials Business  
LGC's Electrolyte Sales Volume, 2012-2016E  
LGC's Lithium Battery Electrolyte Sales Structure (by Product)  
LGC's Operation, 2013-2014  
LGC's Revenue Structure (by Product), 2014  
LGC Revenue Structure (by Region), 2013-2014  
LGC's Output (by Region), 2011-2013  
BSF's Layout in Asia-Pacific

BSF's Lithium Battery Material Production Bases  
Global Layout of Mitsui Chemicals  
Capchem's Global Industrial Distribution  
Capchem's Affiliates  
Capchem's Development History  
Capchem's Main Lithium Battery Electrolyte Products  
Capchem's R&D Investment, 2011-2014  
Capchem's Lithium Battery Electrolyte Clients  
Capchem's Lithium Battery Electrolyte Capacity, 2011-2015  
Capchem's Production Bases and Marketing Network  
Capchem's Lithium Battery Electrolyte Sales Volume and Growth Rate, 2006-2016E  
Capchem's Lithium Battery Electrolyte Revenue, 2011-2015  
Capchem's Core Competitiveness  
Capchem's Revenue and Net Income, 2009-2015  
Affiliates of Guotai Huarong  
Development History of Guotai Huarong, 2000-2014  
Main Products of Guotai Huarong  
Guotai Huarong's Products to be Developed  
Lithium Battery Electrolyte Clients of Guotai Huarong  
Lithium Battery Electrolyte Sales Volume and Revenue of Guotai Huarong, 2011-2015  
Core Competitiveness of Guotai Huarong  
Revenue and Net Income of Guotai Huarong, 2008-2015  
Tinci's Affiliates  
Tinci's Development History  
Tinci's Main Products  
Tinci's Lithium Battery Electrolyte Customers  
Tinci's Marketing Network in China  
Tinci's Lithium Battery Electrolyte Capacity  
Tinci's Lithium Battery Electrolyte Sales Volume and Gross Margin, 2010-2016E  
Tinci's Core Competitiveness  
Tinci's Revenue and Net Income, 2009-2015  
Jinniu's Affiliates  
Jinniu's Development History  
Jinniu's Lithium Battery Electrolyte Customers  
Jinniu's Lithium Battery Electrolyte Sales Volume, 2011-2016E  
Jinniu's Core Competitiveness  
Shanshan's Affiliates  
Shanshan's Development History  
Shanshan's Main Electrolyte Products

Shanshan's Lithium Battery Electrolyte Customers  
Shanshan's Suppliers  
Shanshan's Lithium Battery Electrolyte Sales Volume, 2009-2016E  
Shanshan's Revenue and Net Income, 2009-2015  
Smoothway Main Products Capacity, 2015  
Smoothway Electrolyte Sales Volume, 2013-2016E  
Electrolyte Sales Volume of Beijing Institute of Chemical Reagents, 2013-2016E  
Electrolyte Sales Volume of Jinguang High-Tech, 2013-2016E  
Revenue and Net Income of Chuangya Power Battery Materials, 2012-2015  
Growth Rate of Global and China's Lithium Battery Electrolyte Sales Volume,  
2012-2020E  
Global Lithium Battery Electrolyte Sales Structure, 2015  
Growth Rate of Global Lithium Battery Demand, 2014-2020E  
Revenue Growth Rate of Global Major Lithium Battery Electrolyte Manufacturers,  
2009-2015  
Competitive Landscape of Global Lithium Battery Electrolyte Market, 2014

## I would like to order

Product name: Global and China Lithium Battery Electrolyte Industry Report, 2016-2020

Product link: <https://marketpublishers.com/r/G654DD9270CEN.html>

Price: US\$ 2,150.00 (Single User License / Electronic Delivery)

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

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G654DD9270CEN.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