

# **Global Lithium ion battery Market Size study, by Type (Lithium Nickel Manganese Cobalt (LI-NMC), Lithium Iron Phosphate (LFP), Lithium Cobalt Oxide (LCO), Lithium Titanate Oxide (LTO), Lithium Manganese Oxide (LMO), Lithium Nickel Cobalt Aluminum Oxide (NCA)), by Power Capacity (0 TO 3,000 mAH, 3,000 TO 10,000 mAH, 10,000 TO 60,000 mAH More Than 60,000 mAH), by Industry (Consumer Electronics, Automotive, Marine, Aerospace and Defense, Medical, Industrial, Power) and Regional Forecasts 2020-2026**

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## **Abstracts**

Global Lithium ion battery Market is valued approximately USD 43.4 billion in 2019 and is anticipated to grow with a healthy growth rate of more than 16% over the forecast period 2020-2026. A Li-ion battery or lithium-ion battery is a type of rechargeable battery. Lithium-ion batteries are more commonly used in portable electronics, electric vehicles in aerospace and military applications. Lithium ion battery demand is expected to witness significant growth from the end use industries owing to increase adoption of smartphones, digital cameras, tablets and more. Further, Lithium ion battery demand from automotive applications is set to witness strong growth on account of rising focus toward zero emission vehicles coupled with introduction of extensive subsidy schemes & incentives toward EV adoption. Lithium-ion battery is being adopted in the electric vehicles market owing to its light weight and its ability to hold the charge better than any other conventional batteries. Market demand of lithium-ion battery in electric vehicle market not only depends on its performance but also on the prices of lithium-ion battery. For instance, International Renewable Energy Agency have estimated that the global

lithium-ion battery production capacity will increase by 521% between 2016 and 2020. They've also estimated that the lithium-ion mega factories in China is expected to grow its capacity by six times by the year 2020. Also, according to the International Energy Agency (IEA) 2019, the global electric car deployment has been growing rapidly over the past ten years, the global stock of electric passenger vehicle cars was passed by 5 million in 2018 with an increase of 63% from 2017. Furthermore, developing application within energy sector is expected to create significant growth opportunity in the market over the forecast period. However, safety issues with the transportation and storage of lithium ion battery impedes the growth of the market over the forecast period of 2020-2026.

The regional analysis of global Lithium ion battery market is considered for the key regions such as Asia Pacific, North America, Europe, Latin America and Rest of the World. North America is the leading/significant region across the world in terms of market share owing to matured electric vehicles and government support in terms of grants and tax rebates in the region. Whereas, Asia-Pacific is also anticipated to exhibit highest growth rate / CAGR over the forecast period 2020-2026. Factors such as rising growing automotive industry, need for industrial applications and favorable policies would create lucrative growth prospects for the Lithium ion battery market across Asia-Pacific region.

Major market player included in this report are:

BYD Co Ltd.

LG Chem Ltd.

Panasonic Corporation

Samsung SDI Co Ltd.

BAIC Group

GS Yuasa Corporation

Hitachi Ltd.

Johnson Controls

Toshiba Corporation

Lithium Werks

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming eight years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within each of the regions and countries involved in the study. Furthermore, the report also caters the detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, the report

shall also incorporate available opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Type:

Lithium Nickel Manganese Cobalt (LI-NMC)

Lithium Iron Phosphate (LFP)

Lithium Cobalt Oxide (LCO)

Lithium Titanate Oxide (LTO)

Lithium Manganese Oxide (LMO)

Lithium Nickel Cobalt Aluminum Oxide (NCA)

By Power Capacity:

0 TO 3,000 mAh

3,000 TO 10,000 mAh

10,000 TO 60,000 mAh

More Than 60,000 mAh

By Industry:

Consumer Electronics

Automotive

Marine

Aerospace and Defense

Medical

Industrial

Power

By Region:

North America

U.S.

Canada

Europe

UK

Germany

Asia Pacific

China

India

Japan

Latin America

Brazil

Mexico

Rest of the World

Furthermore, years considered for the study are as follows:

Historical year – 2016, 2017, 2018

Base year – 2019

Forecast period – 2020 to 2026

Target Audience of the Global Lithium ion battery Market in Market Study:

Key Consulting Companies & Advisors

Large, medium-sized, and small enterprises

Venture capitalists

Value-Added Resellers (VARs)

Third-party knowledge providers

Investment bankers

Investors

## Contents

### CHAPTER 1. EXECUTIVE SUMMARY

- 1.1. Market Snapshot
- 1.2. Global & Segmental Market Estimates & Forecasts, 2018-2026 (USD Billion)
  - 1.2.1. Lithium ion battery Market, by Region, 2018-2026 (USD Billion)
  - 1.2.2. Lithium ion battery Market, by Type, 2018-2026 (USD Billion)
  - 1.2.3. Lithium ion battery Market, by Power Capacity, 2018-2026 (USD Billion)
- 1.3. Key Trends
- 1.4. Estimation Methodology
- 1.5. Research Assumption

### CHAPTER 2. GLOBAL LITHIUM ION BATTERY MARKET DEFINITION AND SCOPE

- 2.1. Objective of the Study
- 2.2. Market Definition & Scope
  - 2.2.1. Scope of the Study
  - 2.2.2. Industry Evolution
- 2.3. Years Considered for the Study
- 2.4. Currency Conversion Rates

### CHAPTER 3. GLOBAL LITHIUM ION BATTERY MARKET DYNAMICS

- 3.1. Lithium ion battery Market Impact Analysis (2018-2026)
  - 3.1.1. Market Drivers
  - 3.1.2. Market Challenges
  - 3.1.3. Market Opportunities

### CHAPTER 4. GLOBAL LITHIUM ION BATTERY MARKET INDUSTRY ANALYSIS

- 4.1. Porter's 5 Force Model
  - 4.1.1. Bargaining Power of Suppliers
  - 4.1.2. Bargaining Power of Buyers
  - 4.1.3. Threat of New Entrants
  - 4.1.4. Threat of Substitutes
  - 4.1.5. Competitive Rivalry
  - 4.1.6. Futuristic Approach to Porter's 5 Force Model (2016-2026)
- 4.2. PEST Analysis

- 4.2.1. Political
- 4.2.2. Economical
- 4.2.3. Social
- 4.2.4. Technological
- 4.3. Investment Adoption Model
- 4.4. Analyst Recommendation & Conclusion

## **CHAPTER 5. GLOBAL LITHIUM ION BATTERY MARKET, BY TYPE**

- 5.1. Market Snapshot
- 5.2. Global Lithium ion battery Market by Type, Performance - Potential Analysis
- 5.3. Global Lithium ion battery Market Estimates & Forecasts by Type 2016-2026 (USD Billion)
- 5.4. Lithium ion battery Market, Sub Segment Analysis
  - 5.4.1. Lithium Nickel Manganese Cobalt (LI-NMC)
  - 5.4.2. Lithium Iron Phosphate (LFP)
  - 5.4.3. Lithium Cobalt Oxide (LCO)
  - 5.4.4. Lithium Titanate Oxide (LTO)
  - 5.4.5. Lithium Manganese Oxide (LMO)
  - 5.4.6. Lithium Nickel Cobalt Aluminum Oxide (NCA)

## **CHAPTER 6. GLOBAL LITHIUM ION BATTERY MARKET, BY POWER CAPACITY**

- 6.1. Market Snapshot
- 6.2. Global Lithium ion battery Market by Power Capacity, Performance - Potential Analysis
- 6.3. Global Lithium ion battery Market Estimates & Forecasts by Power Capacity 2016-2026 (USD Billion)
- 6.4. Lithium ion battery Market, Sub Segment Analysis
  - 6.4.1. 0 TO 3,000 mAh
  - 6.4.2. 3,000 TO 10,000 mAh
  - 6.4.3. 10,000 TO 60,000 mAh
  - 6.4.4. More Than 60,000 mAh

## **CHAPTER 7. GLOBAL LITHIUM ION BATTERY MARKET, BY INDUSTRY**

- 7.1. Market Snapshot
- 7.2. Global Lithium ion battery Market by Industry , Performance - Potential Analysis
- 7.3. Global Lithium ion battery Market Estimates & Forecasts by Industry 2016-2026

(USD Billion)

#### 7.4. Lithium ion battery Market, Sub Segment Analysis

- 7.4.1. Consumer Electronics
- 7.4.2. Automotive
- 7.4.3. Marine
- 7.4.4. Aerospace and Defense
- 7.4.5. Medical
- 7.4.6. Industrial
- 7.4.7. Power

## **CHAPTER 8. GLOBAL LITHIUM ION BATTERY MARKET, REGIONAL ANALYSIS**

### 8.1. Lithium ion battery Market, Regional Market Snapshot

#### 8.2. North America Lithium ion battery Market

- 8.2.1. U.S. Lithium ion battery Market
  - 8.2.1.1. Type breakdown estimates & forecasts, 2016-2026
  - 8.2.1.2. Power Capacity breakdown estimates & forecasts, 2016-2026
  - 8.2.1.3. Industry breakdown estimates & forecasts, 2016-2026
- 8.2.2. Canada Lithium ion battery Market

#### 8.3. Europe Lithium ion battery Market Snapshot

- 8.3.1. U.K. Lithium ion battery Market
- 8.3.2. Germany Lithium ion battery Market
- 8.3.3. Rest of Europe Lithium ion battery Market

#### 8.4. Asia-Pacific Lithium ion battery Market Snapshot

- 8.4.1. China Lithium ion battery Market
- 8.4.2. India Lithium ion battery Market
- 8.4.3. Japan Lithium ion battery Market
- 8.4.4. Rest of Asia Pacific Lithium ion battery Market

#### 8.5. Latin America Lithium ion battery Market Snapshot

- 8.5.1. Brazil Lithium ion battery Market
- 8.5.2. Mexico Lithium ion battery Market

#### 8.6. Rest of The World Lithium ion battery Market

## **CHAPTER 9. COMPETITIVE INTELLIGENCE**

### 9.1. Top Market Strategies

#### 9.2. Company Profiles

- 9.2.1. BYD Co Ltd.
  - 9.2.1.1. Key Information

- 9.2.1.2. Overview
- 9.2.1.3. Financial (Subject to Data Availability)
- 9.2.1.4. Product Summary
- 9.2.1.5. Recent Developments
- 9.2.2. LG Chem Ltd.
- 9.2.3. Panasonic Corporation
- 9.2.4. Samsung SDI Co Ltd.
- 9.2.5. BAIC Group
- 9.2.6. GS Yuasa Corporation
- 9.2.7. Hitachi Ltd.
- 9.2.8. Johnson Controls
- 9.2.9. Toshiba Corporation
- 9.2.10. Lithium Werks

## **CHAPTER 10. RESEARCH PROCESS**

- 10.1. Research Process
  - 10.1.1. Data Mining
  - 10.1.2. Analysis
  - 10.1.3. Market Estimation
  - 10.1.4. Validation
  - 10.1.5. Publishing
- 10.2. Research Attributes
- 10.3. Research Assumption



## List Of Tables

### LIST OF TABLES

TABLE 1. LIST OF SECONDARY SOURCES, USED IN THE STUDY OF GLOBAL LITHIUM ION BATTERY MARKET

TABLE 2. LIST OF PRIMARY SOURCES, USED IN THE STUDY OF GLOBAL LITHIUM ION BATTERY MARKET

TABLE 3. GLOBAL LITHIUM ION BATTERY MARKET, REPORT SCOPE

TABLE 4. YEARS CONSIDERED FOR THE STUDY

TABLE 5. EXCHANGE RATES CONSIDERED

TABLE 6. GLOBAL LITHIUM ION BATTERY MARKET ESTIMATES & FORECASTS BY REGION 2016-2026 (USD BILLION)

TABLE 7. GLOBAL LITHIUM ION BATTERY MARKET ESTIMATES & FORECASTS BY TYPE 2016-2026 (USD BILLION)

TABLE 8. GLOBAL LITHIUM ION BATTERY MARKET ESTIMATES & FORECASTS BY POWER CAPACITY 2016-2026 (USD BILLION)

TABLE 9. GLOBAL LITHIUM ION BATTERY MARKET ESTIMATES & FORECASTS BY INDUSTRY 2016-2026 (USD BILLION)

TABLE 10. GLOBAL LITHIUM ION BATTERY MARKET BY SEGMENT, ESTIMATES & FORECASTS, 2016-2026 (USD BILLION)

TABLE 11. GLOBAL LITHIUM ION BATTERY MARKET BY REGION, ESTIMATES & FORECASTS, 2016-2026 (USD BILLION)

TABLE 12. GLOBAL LITHIUM ION BATTERY MARKET BY SEGMENT, ESTIMATES & FORECASTS, 2016-2026 (USD BILLION)

TABLE 13. GLOBAL LITHIUM ION BATTERY MARKET BY REGION, ESTIMATES & FORECASTS, 2016-2026 (USD BILLION)

TABLE 14. GLOBAL LITHIUM ION BATTERY MARKET BY SEGMENT, ESTIMATES & FORECASTS, 2016-2026 (USD BILLION)

TABLE 15. GLOBAL LITHIUM ION BATTERY MARKET BY REGION, ESTIMATES & FORECASTS, 2016-2026 (USD BILLION)

TABLE 16. GLOBAL LITHIUM ION BATTERY MARKET BY SEGMENT, ESTIMATES & FORECASTS, 2016-2026 (USD BILLION)

TABLE 17. GLOBAL LITHIUM ION BATTERY MARKET BY REGION, ESTIMATES & FORECASTS, 2016-2026 (USD BILLION)

TABLE 18. GLOBAL LITHIUM ION BATTERY MARKET BY SEGMENT, ESTIMATES & FORECASTS, 2016-2026 (USD BILLION)

TABLE 19. GLOBAL LITHIUM ION BATTERY MARKET BY REGION, ESTIMATES & FORECASTS, 2016-2026 (USD BILLION)

TABLE 20. U.S. LITHIUM ION BATTERY MARKET ESTIMATES & FORECASTS,  
2016-2026 (USD BILLION)

TABLE 21. U.S. LITHIUM ION BATTERY MARKET ESTIMATES & FORECASTS BY  
SEGMENT 2016-2026 (USD BILLION)

TABLE 22. U.S. LITHIUM ION BATTERY MARKET ESTIMATES & FORECASTS BY  
SEGMENT 2016-2026 (USD BILLION)

TABLE 23. CANADA LITHIUM ION BATTERY MARKET ESTIMATES & FORECASTS,  
2016-2026 (USD BILLION)

TABLE 24. CANADA LITHIUM ION BATTERY MARKET ESTIMATES & FORECASTS  
BY SEGMENT 2016-2026 (USD BILLION)

TABLE 25. CANADA LITHIUM ION BATTERY MARKET ESTIMATES & FORECASTS  
BY SEGMENT 2016-2026 (USD BILLION)

TABLE 26. UK LITHIUM ION BATTERY MARKET ESTIMATES & FORECASTS,  
2016-2026 (USD BILLION)

TABLE 27. UK LITHIUM ION BATTERY MARKET ESTIMATES & FORECASTS BY  
SEGMENT 2016-2026 (USD BILLION)

TABLE 28. UK LITHIUM ION BATTERY MARKET ESTIMATES & FORECASTS BY  
SEGMENT 2016-2026 (USD BILLION)

TABLE 29. GERMANY LITHIUM ION BATTERY MARKET ESTIMATES &  
FORECASTS, 2016-2026 (USD BILLION)

TABLE 30. GERMANY LITHIUM ION BATTERY MARKET ESTIMATES &  
FORECASTS BY SEGMENT 2016-2026 (USD BILLION)

TABLE 31. GERMANY LITHIUM ION BATTERY MARKET ESTIMATES &  
FORECASTS BY SEGMENT 2016-2026 (USD BILLION)

TABLE 32. ROE LITHIUM ION BATTERY MARKET ESTIMATES & FORECASTS,  
2016-2026 (USD BILLION)

TABLE 33. ROE LITHIUM ION BATTERY MARKET ESTIMATES & FORECASTS BY  
SEGMENT 2016-2026 (USD BILLION)

TABLE 34. ROE LITHIUM ION BATTERY MARKET ESTIMATES & FORECASTS BY  
SEGMENT 2016-2026 (USD BILLION)

TABLE 35. CHINA LITHIUM ION BATTERY MARKET ESTIMATES & FORECASTS,  
2016-2026 (USD BILLION)

TABLE 36. CHINA LITHIUM ION BATTERY MARKET ESTIMATES & FORECASTS BY  
SEGMENT 2016-2026 (USD BILLION)

TABLE 37. CHINA LITHIUM ION BATTERY MARKET ESTIMATES & FORECASTS BY  
SEGMENT 2016-2026 (USD BILLION)

TABLE 38. INDIA LITHIUM ION BATTERY MARKET ESTIMATES & FORECASTS,  
2016-2026 (USD BILLION)

TABLE 39. INDIA LITHIUM ION BATTERY MARKET ESTIMATES & FORECASTS BY

SEGMENT 2016-2026 (USD BILLION)

TABLE 40. INDIA LITHIUM ION BATTERY MARKET ESTIMATES & FORECASTS BY  
SEGMENT 2016-2026 (USD BILLION)

TABLE 41. JAPAN LITHIUM ION BATTERY MARKET ESTIMATES & FORECASTS,  
2016-2026 (USD BILLION)

TABLE 42. JAPAN LITHIUM ION BATTERY MARKET ESTIMATES & FORECASTS BY  
SEGMENT 2016-2026 (USD BILLION)

TABLE 43. JAPAN LITHIUM ION BATTERY MARKET ESTIMATES & FORECASTS BY  
SEGMENT 2016-2026 (USD BILLION)

TABLE 44. ROAPAC LITHIUM ION BATTERY MARKET ESTIMATES & FORECASTS,  
2016-2026 (USD BILLION)

TABLE 45. ROAPAC LITHIUM ION BATTERY MARKET ESTIMATES & FORECASTS  
BY SEGMENT 2016-2026 (USD BILLION)

TABLE 46. ROAPAC LITHIUM ION BATTERY MARKET ESTIMATES & FORECASTS  
BY SEGMENT 2016-2026 (USD BILLION)

TABLE 47. BRAZIL LITHIUM ION BATTERY MARKET ESTIMATES & FORECASTS,  
2016-2026 (USD BILLION)

TABLE 48. BRAZIL LITHIUM ION BATTERY MARKET ESTIMATES & FORECASTS  
BY SEGMENT 2016-2026 (USD BILLION)

TABLE 49. BRAZIL LITHIUM ION BATTERY MARKET ESTIMATES & FORECASTS  
BY SEGMENT 2016-2026 (USD BILLION)

TABLE 50. MEXICO LITHIUM ION BATTERY MARKET ESTIMATES & FORECASTS,  
2016-2026 (USD BILLION)

TABLE 51. MEXICO LITHIUM ION BATTERY MARKET ESTIMATES & FORECASTS  
BY SEGMENT 2016-2026 (USD BILLION)

TABLE 52. MEXICO LITHIUM ION BATTERY MARKET ESTIMATES & FORECASTS  
BY SEGMENT 2016-2026 (USD BILLION)

TABLE 53. ROLA LITHIUM ION BATTERY MARKET ESTIMATES & FORECASTS,  
2016-2026 (USD BILLION)

TABLE 54. ROLA LITHIUM ION BATTERY MARKET ESTIMATES & FORECASTS BY  
SEGMENT 2016-2026 (USD BILLION)

TABLE 55. ROLA LITHIUM ION BATTERY MARKET ESTIMATES & FORECASTS BY  
SEGMENT 2016-2026 (USD BILLION)

TABLE 56. ROW LITHIUM ION BATTERY MARKET ESTIMATES & FORECASTS,  
2016-2026 (USD BILLION)

TABLE 57. ROW LITHIUM ION BATTERY MARKET ESTIMATES & FORECASTS BY  
SEGMENT 2016-2026 (USD BILLION)

TABLE 58. ROW LITHIUM ION BATTERY MARKET ESTIMATES & FORECASTS BY  
SEGMENT 2016-2026 (USD BILLION)



## List Of Figures

### LIST OF FIGURES

FIG 1. GLOBAL LITHIUM ION BATTERY MARKET, RESEARCH METHODOLOGY

FIG 2. GLOBAL LITHIUM ION BATTERY MARKET, MARKET ESTIMATION  
TECHNIQUES

FIG 3. GLOBAL MARKET SIZE ESTIMATES & FORECAST METHODS

FIG 4. GLOBAL LITHIUM ION BATTERY MARKET, KEY TRENDS 2019

FIG 5. GLOBAL LITHIUM ION BATTERY MARKET, GROWTH PROSPECTS  
2020-2026

FIG 6. GLOBAL LITHIUM ION BATTERY MARKET, PORTERS 5 FORCE MODEL

FIG 7. GLOBAL LITHIUM ION BATTERY MARKET, PEST ANALYSIS

FIG 8. GLOBAL LITHIUM ION BATTERY MARKET, VALUE CHAIN ANALYSIS

FIG 9. GLOBAL LITHIUM ION BATTERY MARKET BY SEGMENT, 2016 & 2026 (USD  
BILLION)

FIG 10. GLOBAL LITHIUM ION BATTERY MARKET BY SEGMENT, 2016 & 2026  
(USD BILLION)

FIG 11. GLOBAL LITHIUM ION BATTERY MARKET BY SEGMENT, 2016 & 2026  
(USD BILLION)

FIG 12. GLOBAL LITHIUM ION BATTERY MARKET BY SEGMENT, 2016 & 2026  
(USD BILLION)

FIG 13. GLOBAL LITHIUM ION BATTERY MARKET BY SEGMENT, 2016 & 2026  
(USD BILLION)

FIG 14. GLOBAL LITHIUM ION BATTERY MARKET, REGIONAL SNAPSHOT 2016 &  
2026

FIG 15. NORTH AMERICA LITHIUM ION BATTERY MARKET 2016 & 2026 (USD  
BILLION)

FIG 16. EUROPE LITHIUM ION BATTERY MARKET 2016 & 2026 (USD BILLION)

FIG 17. ASIA PACIFIC LITHIUM ION BATTERY MARKET 2016 & 2026 (USD BILLION)

FIG 18. LATIN AMERICA LITHIUM ION BATTERY MARKET 2016 & 2026 (USD  
BILLION)

FIG 19. GLOBAL LITHIUM ION BATTERY MARKET, COMPANY MARKET SHARE  
ANALYSIS (2019)

### COMPANIES MENTIONED

BYD Co Ltd.

LG Chem Ltd.

Panasonic Corporation  
Samsung SDI Co Ltd.  
BAIC Group  
GS Yuasa Corporation  
Hitachi Ltd.  
Johnson Controls  
Toshiba Corporation  
Lithium Werks

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