

# Global Li ion Battery for All Electric Vehicles Market 2018 by Manufacturers, Regions, Type and Application, Forecast to 2023

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## Abstracts

A Li-ion battery is a type of rechargeable battery in which lithium ions move from the negative electrode to the positive electrode during discharge and back when charging. Li-ion batteries use an intercalated lithium compound as one electrode material, compared to the metallic lithium used in a non-rechargeable lithium battery. The electrolyte, which allows for ionic movement, and the two electrodes are the constituent components of a lithium-ion battery cell.

### Scope of the Report:

This report focuses on the Li ion Battery for All Electric Vehicles in global market, especially in North America, Europe and Asia-Pacific, South America, Middle East and Africa. This report categorizes the market based on manufacturers, regions, type and application.

Lithium-ion (and similar lithium polymer) batteries, widely known via their use in laptops and consumer electronics, dominate the most recent group of EVs in development. The traditional lithium-ion chemistry involves a lithium cobalt oxide cathode and a graphite anode. The downsides of traditional lithium-ion batteries include short cycle lives (hundreds to a few thousand charge cycles) and significant degradation with age. Most other EVs are utilizing new variations on lithium-ion chemistry that sacrifice energy and power density to provide fire resistance, environmental friendliness, very rapid charges (as low as a few minutes), and very long lifespans. These variants (phosphates, titanates, spinels, etc.) have been shown to have a much longer lifetime.

The worldwide market for Li ion Battery for All Electric Vehicles is expected to grow at a

CAGR of roughly xx% over the next five years, will reach xx million US\$ in 2023, from xx million US\$ in 2017, according to a new GIR (Global Info Research) study.

Market Segment by Manufacturers, this report covers

A123 Systems

AESC

Blue Energy

BYD

Coslight

Hitachi

Johnson Matthey

LG Chem

Panasonic

SAFT

Sinopoly Battery

Tianjin Lishen Battery

Toshiba

China BAK battery

Deutsche ACCUmotive

Johnson Controls

Samsung SDI

Sony

Market Segment by Regions, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, UK, Russia and Italy)

Asia-Pacific (China, Japan, Korea, India and Southeast Asia)

South America (Brazil, Argentina, Colombia etc.)

Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria and South Africa)

Market Segment by Type, covers

Li-Cobalt Oxide

Li- iron phosphate

Li-titanate

NMC

Market Segment by Applications, can be divided into

HEVs

PHEVs

BEVs

There are 15 Chapters to deeply display the global Li ion Battery for All Electric Vehicles market.

Chapter 1, to describe Li ion Battery for All Electric Vehicles Introduction, product scope, market overview, market opportunities, market risk, market driving force;

Chapter 2, to analyze the top manufacturers of Li ion Battery for All Electric Vehicles, with sales, revenue, and price of Li ion Battery for All Electric Vehicles, in 2016 and 2017;

Chapter 3, to display the competitive situation among the top manufacturers, with sales, revenue and market share in 2016 and 2017;

Chapter 4, to show the global market by regions, with sales, revenue and market share of Li ion Battery for All Electric Vehicles, for each region, from 2013 to 2018;

Chapter 5, 6, 7, 8 and 9, to analyze the market by countries, by type, by application and by manufacturers, with sales, revenue and market share by key countries in these regions;

Chapter 10 and 11, to show the market by type and application, with sales market share and growth rate by type, application, from 2013 to 2018;

Chapter 12, Li ion Battery for All Electric Vehicles market forecast, by regions, type and application, with sales and revenue, from 2018 to 2023;

Chapter 13, 14 and 15, to describe Li ion Battery for All Electric Vehicles sales channel, distributors, traders, dealers, Research Findings and Conclusion, appendix and data source

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