

Global Lithium Ion Battery (LIB) Electrolyte Solution Market: Size, Trends & Forecasts (2019-2023)

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Abstracts

The report entitled "Global Lithium Ion Battery (LIB) Electrolyte Solution Market Reports: Size, Trends & Forecasts (2019-2023)" provides a comprehensive analysis of the global LIB Electrolyte solution market by value, by product type and by region. The report also provides a detailed regional analysis of the LIB electrolyte solution market, including the following regions: Asia-Pacific, Europe, North America, Middle East and Africa, South America, and Rest of World (ROW).

Moreover, the report also assesses the key opportunities in the market and outlines the factors that are and will be driving the growth of the industry. Growth of the overall global LIB electrolyte solution market has forecasted for the period 2019-2023, taking into consideration the previous growth patterns, the growth drivers and the current and future trends.

The global LIB electrolyte solution market is highly fragmented with many LIB electrolyte solution market players operating worldwide. Some market players operate on a local level while other players operate on a regional and global level. Further, key players of the market are Mitsubishi Chemical Holdings Corporation, Shenzhen Capchem Technology Co. Ltd., UBE Industries Ltd., Dongwha Enterprise Co. Ltd. (PANAX-ETEC) are also profiled with their financial information and respective business strategies.

Country Coverage

1. Asia-Pacific
2. Europe
3. North America
4. Middle East and Africa (MEA)

- 5. South America
- 6. Rest of World (ROW)

Company Coverage

- 1. Mitsubishi Chemical Holdings Corporation
- 2. Shenzhen Capchem Technology Co. Ltd.
- 3. UBE Industries Ltd.
- 4. Dongwha Enterprise Co. Ltd. (PANAX-ETEC)

Executive Summary

Lithium ion battery (LIB) is a type of rechargeable battery which has high energy density and uses lithium ions as the main component of its electrolyte. During the charging, lithium ions move from positive electrode to negative electrode while the opposite happens in case of discharging of battery. LIBs can be categorized into four materials namely, anode, cathode, electrolyte solution, and separator. Electrolyte solution being one of the important components of the LIBs is a solution comprising of ions or atoms or molecules.

Electrolyte solution, also known as ionic solution helps in the movement of lithium ions between cathode and anode. Electricity generation takes place with the help of lost or gained electrons. The ions present in the solution neutralizes the charges, allowing the electrons to keep flowing and the reactions to continue.

The main characteristics of LIB electrolyte solution include: Electric Conductor, High Purity, Cycle Life, and Stability. The LIB electrolyte solution market can be segmented on the basis of product type (Solid LIB Electrolyte, Liquid LIB Electrolyte, and Others); Type of Lithium Salts (LiTFSI, LiPF₆, LiBF₄, and LiClO₄); and End-users (Consumer Electronics, Automobile, Industrial, and Others).

The global LIB electrolyte solution market has increased significantly during the years 2016-2018 and projections are made that the market would rise in the next four years i.e. 2019-2023 tremendously. The LIB electrolyte solution market is expected to increase due to rising number of smartphone users, increase in GNI per capita, growing demand for lithium ion batteries in electric vehicles, increasing government initiatives, fall in the price of lithium ion batteries, rapid urbanization, etc. Yet the market faces some challenges such as potential hazards of shipping lithium ion batteries, raw material instability, etc.

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