

Global All-Solid-State Battery Market Data Survey Report 2025

<https://marketpublishers.com/r/G54E25F4E9CEN.html>

Date: November 2018

Pages: 74

Price: US\$ 1,500.00 (Single User License)

ID: G54E25F4E9CEN

Abstracts

Summary

Chemical energy storage, including lead acid batteries, nickel system batteries, and lithium ion batteries (LiBs), is considered to be the most promising energy storage technology for industrialization. Among these, LiBs have many advantages such as light weight, high energy density, high power density, and long life, and they are overwhelmingly preferred by designers for use in portable electronic devices such as cell phones and laptops. However, overcharging or short-circuiting can lead to high temperature and result in fire or explosion due to the presence of flammable organic electrolytes. Fires and explosions of LiBs have been reported throughout the world. The developments of electric vehicles (EVs) and large-scale energy storage devices for new kinds of power stations greatly expand the market for LiBs, meanwhile, stricter safety requirements apply to LiBs. Since large numbers of LiBs are packed together in EVs or power stations, fire or explosion in an LiB could be disastrous. Safety has become the main obstacle for the wide application of LiBs. To meet this issue, All-Solid-State Battery have entered the field.

The global All-Solid-State Battery market will reach Volume Million USD in 2018 with CAGR xx% 2018-2025. The main contents of the report including:

Global market size and forecast

Regional market size, production data and export & import

Key manufacturers (manufacturing sites, capacity and production, product specifications etc.)

Major Application

Major Type

Key manufacturers are included based on manufacturing sites, capacity and production, product specifications etc.:

BMW

Hyundai

Dyson

Apple

CATL

Bolloré

Bolloré

Panasonic

Jiawei

Bosch

Quantum Scape

Ilika

Excellatron Solid State

Cymbet

Solid Power

Mitsui Kinzoku

Samsung

ProLogium

Front Edge Technology

Major applications as follows:

Consumer Electronics

Electric Vehicle

Aerospace

Others

Major Type
as follows:

Polymer-Based All-Solid-State Battery

All-Solid-State Battery with Inorganic Solid Electrolytes

Regional market size, production data and export & import:

Asia-Pacific

North America

Europe

South America

Middle East & Africa

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