

Global (North America, Europe, Asia-Pacific, South America, Middle East and Africa) Battery Energy Storage Market 2018, Forecast to 2023

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Abstracts

The lithium-ion batteries have a long lifespan of 5–10 years, and up to 98% efficiency (i.e., only 2% of electrical charge is lost during use). The lithium-ion batteries have very high energy and power densities, which leads to lower weight with low standby losses, and high life expectancy. Lithium-ion batteries continue to hold a large size of the battery energy storage system market owing to its features such as high energy density, self-discharge capability, low maintenance requirement, less weight, and high life expectancy. Battery energy storage system is well suited for smoothing the variable output of renewables and controlling the rapid ramping up and down of solar as well as wind generation. The grid operators and regulators are aware of the importance of battery energy storage systems and their ability to cater through multiple services. The utility operators are using these systems in their resource planning processes, which reduces the system costs and increases storage capacity.

Scope of the Report:

This report focuses on the Battery Energy Storage 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.

The major drivers for the growth of the market include the increasing demand for grid-connected solutions, high demand for the lithium-ion technology in the renewable energy industry, and declining prices of lithium-ion batteries. However, the factors such as the installation of battery energy storage systems in remote locations pose a challenge for the players in the market. The Americas dominated the battery energy storage market for smart grid and accounted for around 60% of the total market share. Much of the region's growth can be attributed to the increasing use of smart grids and

the increasing need for energy storage for distributed systems. The governmental support across different countries in the region and the growing investments in the development and deployment of integrated smart grid systems is expected to drive the demand for smart energy in the region in the coming years. The worldwide market for Battery Energy Storage is expected to grow at a CAGR of roughly 32.6% over the next five years, will reach 8260 million US\$ in 2023, from 1520 million US\$ in 2017, according to a new GIR (Global Info Research) study.

Market Segment by Manufacturers, this report covers

Siemens

ABB

Samsung SDI

Bosch

BYD

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-Ion Batteries

Lead-Acid Batteries

Sodium Sulfur Batteries

Market Segment by Applications, can be divided into

Residential

Non-Residential

Utilities

Others

There are 15 Chapters to deeply display the global Battery Energy Storage market. Chapter 1, to describe Battery Energy Storage Introduction, product scope, market overview, market opportunities, market risk, market driving force; Chapter 2, to analyze the top manufacturers of Battery Energy Storage, with sales, revenue, and price of Battery Energy Storage, 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 Battery Energy Storage, 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, Battery Energy Storage market forecast, by regions, type and application, with sales and revenue, from 2018 to 2023; Chapter 13, 14 and 15, to describe Battery Energy Storage sales channel, distributors, traders, dealers, Research Findings and Conclusion, appendix and data source

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