

# **Global Lithium Sulfur Battery Market Size study, By Type (Low Energy Density and High Energy Density), By Power Capacity (0-500mAh, 501-1000mAh, and More than 1000mAh), and By End Use (Aerospace, Automotive, Electronic Device, Power & Energy, and Others), and Regional Forecasts 2022-2028**

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## **Abstracts**

Global Lithium Sulfur Battery Market is valued approximately USD XX million in 2021 and is anticipated to grow with a healthy growth rate of more than XX % over the forecast period 2022-2028. The Lithium Sulfur Battery refers to type of battery which utilizes lithium or lithium alloys as anodic material, sulfur as cathodic material and an electrolyte composed of aliphatic saturated amines. Li-S batteries offers several advantages such as high gravimetric energy density, low raw materials cost, improved safety characteristics as well as reduced environmental burden associated with the cell materials. The growing EV industry and increasing demand for high energy density storage batteries as well as strategic initiatives from leading market players. are factors that are accelerating the global market demand. For instance, according to International Energy Agency Estimates -as of 2020, Globally around 3 million electric cars were sold, and this number is increased to 6.6 million units in 2021. Furthermore, leading market players are working towards strategic initiatives including new acquisitions to capitalize the growing adoption of Lithium Sulfur batteries. For instance, in July 2021, London, UK based Sustainable technologies group Johnson Matthey acquired the lithium-sulfur battery developer UK based Oxis Energy. Moreover, in March 2022, a team of researchers from Australia based Monash University's Faculty of Engineering redesigned a new lithium-sulfur battery. The researchers created a new interlayer that allows fast lithium transfer, as well as an improvement in the performance and lifetime of the batteries. Also, growing preference towards renewable energy sources and rising

global energy demand are anticipated to act as a catalyzing factor for the market demand during the forecast period. However, a high cost of lithium sulfur and Complex mechanism associated with Lithium Sulphur battery impede the growth of the market over the forecast period of 2022-2028.

The key regions considered for the global Lithium Sulfur Battery Market study include Asia Pacific, North America, Europe, Latin America, and the Rest of the World. North America is the leading region across the world in terms of market share owing to the growing investment towards renewable energy sources and presence of leading market players in the region. Whereas, Asia Pacific is anticipated to exhibit a significant growth rate over the forecast period 2022-2028. Factors such as the rising penetration of electric vehicles and increasing penetration of leading market players in the region, would create lucrative growth prospects for the global Lithium Sulfur Battery Market across the Asia Pacific region.

Major market players included in this report are:

Advanced Energy Materials

Ilika PLC

Johnson Matthey

LG Chem

Morrow Batteries

NOHMs Technologies

OXIS Energy

PolyPlus

Sion Power

Williams Advanced

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

Low Energy Density

High Energy Density

By Power Capacity

0-500mAh

501-1000mAh

More than 1000mAh

By End Use

Aerospace

Automotive

Electronic Device

Power & Energy

Others)

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Rest of the World

Furthermore, years considered for the study are as follows:

Historical year – 2018, 2019, 2020

Base year – 2021

Forecast period – 2022 to 2028

Target Audience of the Global Lithium Sulfur 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

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