

Global Next-Generation advanced battery Market Size study & Forecast, by Technology (Solid Electrolyte Battery, Magnesium Ion Battery, Next-generation Flow Battery, Metal-Air Battery, Lithium-Sulfur Battery, Other Technologies) by End-use (Consumer, Electronics, Transportation, Industrial, Energy Storage, Other End Users) and Regional Analysis, 2022-2029

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Abstracts

Global Next-Generation advanced battery Market is valued approximately USD XX billion in 2021 and is anticipated to grow with a healthy growth rate of more than XX% over the forecast period 2022-2029. The global next-generation advanced battery market refers to the market for advanced battery technologies that are used in a variety of applications such as electric vehicles, grid storage systems, consumer electronics, and industrial applications. These batteries offer higher energy density, longer life, faster charging times, and improved safety compared to traditional batteries. The market is driven by the increasing demand for energy storage solutions and the growing adoption of electric vehicles. The need for renewable energy sources and the shift towards sustainable energy are also driving the growth of the next-generation advanced battery market. Moreover, high government support and rising initiatives by the key market players is creating lucrative growth opportunity for the market over the forecast period 2022-2029.

China is the largest market for electric vehicles, with more than 4 million electric vehicles on the road in 2020. The Chinese government has set ambitious targets for electric vehicle adoption, with the aim of having electric vehicles account for 20% of new

car sales by 2025. Moreover, Norway has the highest per capita adoption of electric vehicles in the world, with electric vehicles accounting for more than 50% of new car sales in 2020. The Norwegian government has offered incentives for electric vehicle purchases and has invested in charging infrastructure to support electric vehicle adoption. Along with this, the United States is the second-largest market for electric vehicles, with more than 1 million electric vehicles on the road in 2020. The Biden administration has set a goal of having 50% of new car sales be electric vehicles by 2030 and has proposed significant investments in electric vehicle infrastructure and research and development. However, the high cost of Next-Generation advanced battery stifles market growth throughout the forecast period of 2022-2029.

The key regions considered for the Global Next-Generation advanced battery Market study includes Asia Pacific, North America, Europe, Latin America, and Rest of the World. The North American market for next-generation advanced batteries is driven by the increasing adoption of electric vehicles and the need for energy storage solutions in the region. The United States has the largest market for electric vehicles in North America, with major automakers investing in research and development of advanced battery technologies. The growth of the energy storage market in the region is also driving the demand for advanced batteries. The Asia Pacific region is the largest market for next-generation advanced batteries, driven by the increasing demand for electric vehicles and renewable energy sources. China, Japan, and South Korea are the major players in the region, with significant investments in research and development and production capabilities. China is the largest market for electric vehicles, which is driving the growth of the advanced battery market in the region.

Major market player included in this report are:

Sion Power Corporation
Contemporary Amperex Technology Co. Ltd
PolyPlus Battery Co. Inc.
GS Yuasa Corporation
Saft Groupe SA.
Tesla
LG Chem
BYD Company Ltd.
Panasonic Corporation
Samsung SDI Co

Recent Developments in the Market:

According to the Bipartisan Infrastructure Law, the US Department of Energy declared

in February 2022 that it would contribute USD 2.91 billion to increase the production of advanced batteries used in stationary energy storage systems and electric cars.

Mercedes-Benz and ProLogium signed a technology cooperation deal in January 2022 to create battery cells of the future. By 2030, Mercedes-Benz wants to be completely electrified. ProLogium is expected to be a strong partner for Mercedes Benz given its expertise in solid-state battery R&D and manufacturing.

Global Next-Generation advanced battery Market Report Scope:

Historical Data 2019-2020-2021

Base Year for Estimation 2021

Forecast period 2022-2029

Report Coverage Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered Technology, End-use, Region

Regional Scope North America; Europe; Asia Pacific; Latin America; Rest of the World

Customization Scope Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope*

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 years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and Technology offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Technology:

Solid Electrolyte Battery

Magnesium Ion Battery

Next-generation Flow Battery

Metal-Air Battery

Lithium-Sulfur Battery

Other Technologies

By End-use:

Consumer Electronics

Transportation

Industrial

Energy Storage
Other End Users

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

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