

Global Energy Storage for Renewable Energy Grid Integration (ESRI) Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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Abstracts

According to our (Global Info Research) latest study, the global Energy Storage for Renewable Energy Grid Integration (ESRI) market size was valued at USD million in 2023 and is forecast to a readjusted size of USD million by 2030 with a CAGR of % during review period.

The argument for energy storage for renewables integration (ESRI) relies on several different factors, including the condition of the local grid, the type and amount of renewable generation, and incentives and subsidies, among others.

Due to the rapid development of the wind power and photovoltaic industry, as well as the increasing awareness of environmental protection in various countries, the energy storage industry is becoming one of the key technologies, which is used in many countries to advance the carbon neutral target process today. The United States, China and Japan occupied the leading position in the installed capacity of energy storage projects, among which the United States is the world's largest energy storage market. The European Union established the European Battery Alliance (EBA) in 2017, aiming to escape the EU's dependence on Asian manufacturers in the battery storage field. According to Data Europa's statistics, the cumulative installed capacity has reached 48.38GW in 2020. At present, pumped storage accounts for 94% of the energy storage market in Europe, with Spain and Germany having the largest capacity. According to BNEF data, electrochemical energy storage in the United States added 3.97GW / 10.88 GWh in 2021. In terms of power, it accounted for 40% of the global increase. In 2022, the United States passed the IRA, which subsidized independent energy storage for the first time. Under the ITC, new energy storage projects could offset up to 65% of the investment. The effect of the policy has initially appeared, and the energy storage

industry in the United States shows an upward trend.

The Global Info Research report includes an overview of the development of the Energy Storage for Renewable Energy Grid Integration (ESRI) industry chain, the market status of Agriculture (Li-ion battery, Lead acid battery), Construction (Li-ion battery, Lead acid battery), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Energy Storage for Renewable Energy Grid Integration (ESRI).

Regionally, the report analyzes the Energy Storage for Renewable Energy Grid Integration (ESRI) markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Energy Storage for Renewable Energy Grid Integration (ESRI) market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Energy Storage for Renewable Energy Grid Integration (ESRI) market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Energy Storage for Renewable Energy Grid Integration (ESRI) industry.

The report involves analyzing the market at a macro level:

Market Sizing and Segmentation: Report collect data on the overall market size, including the sales quantity (GWh), revenue generated, and market share of different by Type (e.g., Li-ion battery, Lead acid battery).

Industry Analysis: Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Energy Storage for Renewable Energy Grid Integration (ESRI) market.

Regional Analysis: The report involves examining the Energy Storage for Renewable Energy Grid Integration (ESRI) market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within

different markets.

Market Projections: Report covers the gathered data and analysis to make future projections and forecasts for the Energy Storage for Renewable Energy Grid Integration (ESRI) market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Energy Storage for Renewable Energy Grid Integration (ESRI):

Company Analysis: Report covers individual Energy Storage for Renewable Energy Grid Integration (ESRI) manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

Consumer Analysis: Report covers data on consumer behaviour, preferences, and attitudes towards Energy Storage for Renewable Energy Grid Integration (ESRI). This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Agriculture, Construction).

Technology Analysis: Report covers specific technologies relevant to Energy Storage for Renewable Energy Grid Integration (ESRI). It assesses the current state, advancements, and potential future developments in Energy Storage for Renewable Energy Grid Integration (ESRI) areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the Energy Storage for Renewable Energy Grid Integration (ESRI) market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

Market Validation: The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

Market Segmentation

Energy Storage for Renewable Energy Grid Integration (ESRI) market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application

in terms of volume and value.

Market segment by Type

Li-ion battery

Lead acid battery

Others

Market segment by Application

Agriculture

Construction

Power And Water Utility

Real Estate

Journalism

Cinematography

Transportation

Energy Sector

Major players covered

Abb

East Penn Manufacturing

Lg Chem

Robert Bosch

The Aes

Alevo Group

Beacon Power

Byd

Exide Technologies

General Electric

Market segment by region, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Energy Storage for Renewable Energy Grid Integration (ESRI) product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Energy Storage for Renewable Energy Grid Integration (ESRI), with price, sales, revenue and global market share of Energy Storage for Renewable Energy Grid Integration (ESRI) from 2019 to 2024.

Chapter 3, the Energy Storage for Renewable Energy Grid Integration (ESRI) competitive situation, sales quantity, revenue and global market share of top

manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Energy Storage for Renewable Energy Grid Integration (ESRI) breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2023. and Energy Storage for Renewable Energy Grid Integration (ESRI) market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

Chapter 12, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Energy Storage for Renewable Energy Grid Integration (ESRI).

Chapter 14 and 15, to describe Energy Storage for Renewable Energy Grid Integration (ESRI) sales channel, distributors, customers, research findings and conclusion.

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