

Global Energy Storage As A Service Market Size Study & Forecast, By Service (Bulk Energy Services, Ancillary Services, Transmission Infrastructure Services, Distribution Infrastructure Services, Customer Energy Management Services and Others) by End-user (Utility, Industrial and Residential & Commercial) and Regional Analysis, 2023-2030

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Abstracts

Global Energy Storage As A Service Market is valued at approximately USD XX billion in 2022 and is anticipated to grow with a healthy growth rate of more than XX% over the forecast period 2023-2030.

The Energy Storage as a Service (ESaaS) market involves the provision of energy storage solutions to customers through a service-based model, eliminating the need for upfront capital investment in energy storage infrastructure. This model enables businesses, utilities, and residential users to access energy storage capabilities such as peak shaving, load shifting, and demand response without bearing the full cost of ownership. The main driver behind the ESaaS market is the increasing demand for flexible and scalable energy storage solutions to support renewable energy integration, grid stability, and energy management optimization. As the adoption of renewable energy sources like solar and wind power grows, ESaaS offers a cost-effective and efficient way to address grid challenges, reduce energy costs, and enhance overall energy system resilience, driving market growth and adoption of ESaaS solutions globally.

Energy storage as a service (ESaaS) is an emerging model with limited global players, primarily operating at local and regional levels. For instance, YSG Solar in the U.S.

focuses on local areas, highlighting the untapped potential in remote regions lacking a consistent power supply. Developed markets like the U.S. benefit from ESaaS due to challenges like peak loads and blackout prevention, aligning with renewable energy priorities, and reducing fossil fuel dependency.

The key regions considered for the Global Energy Storage As A Service Market study include Asia Pacific, North America, Europe, Latin America, and the Rest of the World. In 2022, North America emerged as the dominant market due to factors such as high energy consumption driven by diverse industries like automotive, aerospace, chemical, and healthcare. The demand for energy storage services such as peak load management, energy arbitrage, black start capabilities, and demand charge management surged across industrial, commercial, and residential sectors. This trend is fueled by industrialists preferring energy storage services over purchasing systems to ensure a consistent energy supply and prevent blackouts.

On the other hand, the Asia Pacific region is forecasted to witness the highest Compound Annual Growth Rate (CAGR) during the projection period. This growth is attributed to the presence of untapped markets, rapid industrialization, and escalating energy consumption. Utilities and industries in countries like India, South Korea, Japan, and China are expected to intensify their focus on energy storage as a service business model, integrating these services into their systems to meet future energy demands effectively.

Major market players included in this report are:

Siemens Energy

Veolia

Honeywell International Inc.

NRStor Inc.

ENGIE Storage Services NA LLC

Customized Energy Solutions Ltd.

YSG Solar

Quantity

Hydrostor Inc.

Global Energy Storage As A Service Market Report Scope:

Historical Data – 2020 - 2021

Base Year for Estimation – 2022

Forecast period - 2023-2030

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

Segments Covered - Service, End-user, Region

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

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

The objective of the study is to define the market sizes of different segments & countries in recent years and to forecast the values for 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 to detailed information about the crucial aspects such as driving factors & challenges that will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with a detailed analysis of the competitive landscape and Service offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Service:

Bulk Energy Services

Ancillary Services

Transmission Infrastructure Services

Distribution Infrastructure Services

Customer Energy Management Services

Others

By End-user:

Utility

Industrial, Residential & Commercial

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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