

Global Energy Storage System (ESS) Competitive Landscape Professional Research Report 2025

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Abstracts

Market Overview

According to DIResearch's in-depth investigation and research, the global Energy Storage System (ESS) market size will reach 3,451.40 Million USD in 2025 and is projected to reach 4,490.09 Million USD by 2032, with a CAGR of 3.83% (2025-2032). Notably, the China Energy Storage System (ESS) market has changed rapidly in the past few years. By 2025, China's market size is expected to be Million USD, representing approximately % of the global market share.

Research Summary

An Energy Storage System (ESS) is a comprehensive setup designed to store electrical energy, enabling the capture and discharge of power when needed. ESS typically encompasses various technologies like batteries, flywheels, supercapacitors, and thermal storage systems, among others, serving to store surplus electricity generated during periods of low demand or high renewable energy production for later use during peak demand or when renewable sources are not actively generating power. ESS aids in grid stabilization, peak shaving, backup power supply, and the integration of renewable energy sources into the grid by providing a means to store excess energy and release it as required, contributing to a more resilient, flexible, and efficient energy infrastructure.

The major global manufacturers of Energy Storage System (ESS) include Samsung SDI, LG Chem, Fluence, Hitachi, Kokam, LSIS, SMA Solar Technology, NGK, General Electric, Primus Power, Panasonic, BYD, ABB, Younicos, Saft, Lockheed Martin Energy, Eos Energy Storage, Con Edison Solutions, etc. The global players competition

landscape in this report is divided into three tiers. The first tier comprises global leading enterprises that command a substantial market share, hold a dominant industry position, possess strong competitiveness and influence, and generate significant revenue. The second tier includes companies with a notable market presence and reputation; these firms actively follow industry leaders in product, service, or technological innovation and maintain a moderate revenue scale. The third tier consists of smaller companies with limited market share and lower brand recognition, primarily focused on local markets and generating comparatively lower revenue.

This report studies the market size, price trends and future development prospects of Energy Storage System (ESS). Focus on analysing the market share, product portfolio, prices, sales, revenue and gross profit margin of global major manufacturers, as well as the market status and trends of different product types and applications in the global Energy Storage System (ESS) market. The report data covers historical data from 2020 to 2024, based year in 2025 and forecast data from 2026 to 2032.

The regions and countries in the report include North America, Europe, China, APAC (excl. China), Latin America and Middle East and Africa, covering the Energy Storage System (ESS) market conditions and future development trends of key regions and countries, combined with industry-related policies and the latest technological developments, analyze the development characteristics of Energy Storage System (ESS) industries in various regions and countries, help companies understand the development characteristics of each region, help companies formulate business strategies, and achieve the ultimate goal of the company's global development strategy.

The data sources of this report mainly include the National Bureau of Statistics, customs databases, industry associations, corporate financial reports, third-party databases, etc. Among them, macroeconomic data mainly comes from the National Bureau of Statistics, International Economic Research Organization; industry statistical data mainly come from industry associations; company data mainly comes from interviews, public information collection, third-party reliable databases, and price data mainly comes from various markets monitoring database.

Global Key Manufacturers of Energy Storage System (ESS) Include:

Samsung SDI

LG Chem

Fluence

Hitachi

Kokam

LSIS

SMA Solar Technology

NGK

General Electric

Primus Power

Panasonic

BYD

ABB

Yunicos

Saft

Lockheed Martin Energy

Eos Energy Storage

Con Edison Solutions

Energy Storage System (ESS) Product Segment Include:

Lithium

Lead Acid

NaS

Others

Energy Storage System (ESS) Product Application Include:

Residential

Utility & Commercial

Chapter Scope

Chapter 1: Product Research Range, Product Types and Applications, Market Overview, Market Situation and Trends

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