

# Global Off-grid Energy Storage Systems Competitive Landscape Professional Research Report 2025

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## Abstracts

### Market Overview

According to DIResearch's in-depth investigation and research, the global Off-grid Energy Storage Systems market size will reach 790.49 Million USD in 2025 and is projected to reach 1,709.65 Million USD by 2032, with a CAGR of 11.65% (2025-2032). Notably, the China Off-grid Energy Storage Systems 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

Off-grid energy storage systems are self-contained setups that function independently from the traditional power grid. They are designed to store and supply electricity in remote or rural areas where access to centralized power infrastructure is limited or non-existent. These systems typically incorporate renewable energy sources like solar panels or wind turbines to generate electricity. The excess energy generated during peak production periods is stored in batteries or other storage technologies for later use when the renewable energy production is low or not available. Off-grid energy storage systems provide a reliable and sustainable power supply, enabling individuals, communities, or businesses to meet their energy needs without relying on the grid. They can be used for a variety of applications, including residential homes, remote communities, agricultural operations, telecommunications, and even disaster response situations. These systems offer increased energy independence, reduced reliance on fossil fuels, and the ability to live "off the grid" while minimizing environmental impact.

The major global manufacturers of Off-grid Energy Storage Systems include EnerSys,

Samsung SDI, LG, Sonnen, Fronius, Toshiba, Mitsubishi Heavy Industries, Sumitomo Electric Industries, SAFT, Enphase, NEC Energy Solutions, BYD, Tianneng Battery, CALB, 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 Off-grid Energy Storage Systems. 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 Off-grid Energy Storage Systems 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 Off-grid Energy Storage Systems 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 Off-grid Energy Storage Systems 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 Off-grid Energy Storage Systems Include:

EnerSys

Samsung SDI

LG

Sonnen

Fronius

Toshiba

Mitsubishi Heavy Industries

Sumitomo Electric Industries

SAFT

Enphase

NEC Energy Solutions

BYD

Tianneng Battery

CALB

Off-grid Energy Storage Systems Product Segment Include:

Lithium-ion Battery

Lead-acid Battery

Others

Off-grid Energy Storage Systems Product Application Include:

Family Backup Power

Industrial UPS

Unattended Equipment

Others

## **Chapter Scope**

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