

Global Grid-Scale Battery Market Growth 2024-2030

<https://marketpublishers.com/r/GAFDC9C5AEA1EN.html>

Date: November 2024

Pages: 110

Price: US\$ 3,660.00 (Single User License)

ID: GAFDC9C5AEA1EN

Abstracts

The report requires updating with new data and is sent in 48 hours after order is placed.

According to our LPI (LP Information) latest study, the global Grid-Scale Battery market size was valued at US\$ 1189.8 million in 2023. With growing demand in downstream market, the Grid-Scale Battery is forecast to a readjusted size of US\$ 6777.8 million by 2030 with a CAGR of 28.2% during review period.

The research report highlights the growth potential of the global Grid-Scale Battery market. Grid-Scale Battery are expected to show stable growth in the future market. However, product differentiation, reducing costs, and supply chain optimization remain crucial for the widespread adoption of Grid-Scale Battery. Market players need to invest in research and development, forge strategic partnerships, and align their offerings with evolving consumer preferences to capitalize on the immense opportunities presented by the Grid-Scale Battery market.

Grid energy storage is a collection of methods used to store electrical energy on a large scale within an electrical power grid. Electrical energy is stored during times when production exceeds consumption, and returned to the grid when production falls below consumption. Battery systems connected to large solid-state converters have been used to stabilize power distribution networks.

North America dominates the grid-scale battery market. The growth of the grid-scale battery market in North America can be attributed to the increasing demand for renewable energy storage in the residential, non-residential, and utility sectors.

Key Features:

The report on Grid-Scale Battery market reflects various aspects and provide valuable

insights into the industry.

Market Size and Growth: The research report provide an overview of the current size and growth of the Grid-Scale Battery market. It may include historical data, market segmentation by Type (e.g., Lithium-Ion, Lead Acid), and regional breakdowns.

Market Drivers and Challenges: The report can identify and analyse the factors driving the growth of the Grid-Scale Battery market, such as government regulations, environmental concerns, technological advancements, and changing consumer preferences. It can also highlight the challenges faced by the industry, including infrastructure limitations, range anxiety, and high upfront costs.

Competitive Landscape: The research report provides analysis of the competitive landscape within the Grid-Scale Battery market. It includes profiles of key players, their market share, strategies, and product offerings. The report can also highlight emerging players and their potential impact on the market.

Technological Developments: The research report can delve into the latest technological developments in the Grid-Scale Battery industry. This include advancements in Grid-Scale Battery technology, Grid-Scale Battery new entrants, Grid-Scale Battery new investment, and other innovations that are shaping the future of Grid-Scale Battery.

Downstream Procumbent Preference: The report can shed light on customer procumbent behaviour and adoption trends in the Grid-Scale Battery market. It includes factors influencing customer ' purchasing decisions, preferences for Grid-Scale Battery product.

Government Policies and Incentives: The research report analyse the impact of government policies and incentives on the Grid-Scale Battery market. This may include an assessment of regulatory frameworks, subsidies, tax incentives, and other measures aimed at promoting Grid-Scale Battery market. The report also evaluates the effectiveness of these policies in driving market growth.

Environmental Impact and Sustainability: The research report assess the environmental impact and sustainability aspects of the Grid-Scale Battery market.

Market Forecasts and Future Outlook: Based on the analysis conducted, the research report provide market forecasts and outlook for the Grid-Scale Battery industry. This

includes projections of market size, growth rates, regional trends, and predictions on technological advancements and policy developments.

Recommendations and Opportunities: The report conclude with recommendations for industry stakeholders, policymakers, and investors. It highlights potential opportunities for market players to capitalize on emerging trends, overcome challenges, and contribute to the growth and development of the Grid-Scale Battery market.

Market Segmentation:

Grid-Scale Battery 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.

Segmentation by type

Lithium-Ion

Lead Acid

Flow

Sodium Based

Others

Segmentation by application

Renewable Integration

Peak Shift

Ancillary Services

Back-up Power

Others

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analyzing the company's coverage, product portfolio, its market penetration.

LG Chem

Samsung Sdi

Panasonic

Fluence Energy

Tesla

BYD

ABB

GE

GS Yuasa

Toshiba

Saft Groupe

S&C Electric

NGK Insulators

Key Questions Addressed in this Report

What is the 10-year outlook for the global Grid-Scale Battery market?

What factors are driving Grid-Scale Battery market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Grid-Scale Battery market opportunities vary by end market size?

How does Grid-Scale Battery break out type, application?

Contents

1 SCOPE OF THE REPORT

- 1.1 Market Introduction
- 1.2 Years Considered
- 1.3 Research Objectives
- 1.4 Market Research Methodology
- 1.5 Research Process and Data Source
- 1.6 Economic Indicators
- 1.7 Currency Considered
- 1.8 Market Estimation Caveats

2 EXECUTIVE SUMMARY

- 2.1 World Market Overview
 - 2.1.1 Global Grid-Scale Battery Annual Sales 2019-2030
 - 2.1.2 World Current & Future Analysis for Grid-Scale Battery by Geographic Region, 2019, 2023 & 2030
 - 2.1.3 World Current & Future Analysis for Grid-Scale Battery by Country/Region, 2019, 2023 & 2030
- 2.2 Grid-Scale Battery Segment by Type
 - 2.2.1 Lithium-Ion
 - 2.2.2 Lead Acid
 - 2.2.3 Flow
 - 2.2.4 Sodium Based
 - 2.2.5 Others
- 2.3 Grid-Scale Battery Sales by Type
 - 2.3.1 Global Grid-Scale Battery Sales Market Share by Type (2019-2024)
 - 2.3.2 Global Grid-Scale Battery Revenue and Market Share by Type (2019-2024)
 - 2.3.3 Global Grid-Scale Battery Sale Price by Type (2019-2024)
- 2.4 Grid-Scale Battery Segment by Application
 - 2.4.1 Renewable Integration
 - 2.4.2 Peak Shift
 - 2.4.3 Ancillary Services
 - 2.4.4 Back-up Power
 - 2.4.5 Others
- 2.5 Grid-Scale Battery Sales by Application
 - 2.5.1 Global Grid-Scale Battery Sale Market Share by Application (2019-2024)

2.5.2 Global Grid-Scale Battery Revenue and Market Share by Application (2019-2024)

2.5.3 Global Grid-Scale Battery Sale Price by Application (2019-2024)

3 GLOBAL GRID-SCALE BATTERY BY COMPANY

3.1 Global Grid-Scale Battery Breakdown Data by Company

3.1.1 Global Grid-Scale Battery Annual Sales by Company (2019-2024)

3.1.2 Global Grid-Scale Battery Sales Market Share by Company (2019-2024)

3.2 Global Grid-Scale Battery Annual Revenue by Company (2019-2024)

3.2.1 Global Grid-Scale Battery Revenue by Company (2019-2024)

3.2.2 Global Grid-Scale Battery Revenue Market Share by Company (2019-2024)

3.3 Global Grid-Scale Battery Sale Price by Company

3.4 Key Manufacturers Grid-Scale Battery Producing Area Distribution, Sales Area, Product Type

3.4.1 Key Manufacturers Grid-Scale Battery Product Location Distribution

3.4.2 Players Grid-Scale Battery Products Offered

3.5 Market Concentration Rate Analysis

3.5.1 Competition Landscape Analysis

3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2019-2024)

3.6 New Products and Potential Entrants

3.7 Mergers & Acquisitions, Expansion

4 WORLD HISTORIC REVIEW FOR GRID-SCALE BATTERY BY GEOGRAPHIC REGION

4.1 World Historic Grid-Scale Battery Market Size by Geographic Region (2019-2024)

4.1.1 Global Grid-Scale Battery Annual Sales by Geographic Region (2019-2024)

4.1.2 Global Grid-Scale Battery Annual Revenue by Geographic Region (2019-2024)

4.2 World Historic Grid-Scale Battery Market Size by Country/Region (2019-2024)

4.2.1 Global Grid-Scale Battery Annual Sales by Country/Region (2019-2024)

4.2.2 Global Grid-Scale Battery Annual Revenue by Country/Region (2019-2024)

4.3 Americas Grid-Scale Battery Sales Growth

4.4 APAC Grid-Scale Battery Sales Growth

4.5 Europe Grid-Scale Battery Sales Growth

4.6 Middle East & Africa Grid-Scale Battery Sales Growth

5 AMERICAS

5.1 Americas Grid-Scale Battery Sales by Country

5.1.1 Americas Grid-Scale Battery Sales by Country (2019-2024)

5.1.2 Americas Grid-Scale Battery Revenue by Country (2019-2024)

5.2 Americas Grid-Scale Battery Sales by Type

5.3 Americas Grid-Scale Battery Sales by Application

5.4 United States

5.5 Canada

5.6 Mexico

5.7 Brazil

6 APAC

6.1 APAC Grid-Scale Battery Sales by Region

6.1.1 APAC Grid-Scale Battery Sales by Region (2019-2024)

6.1.2 APAC Grid-Scale Battery Revenue by Region (2019-2024)

6.2 APAC Grid-Scale Battery Sales by Type

6.3 APAC Grid-Scale Battery Sales by Application

6.4 China

6.5 Japan

6.6 South Korea

6.7 Southeast Asia

6.8 India

6.9 Australia

6.10 China Taiwan

7 EUROPE

7.1 Europe Grid-Scale Battery by Country

7.1.1 Europe Grid-Scale Battery Sales by Country (2019-2024)

7.1.2 Europe Grid-Scale Battery Revenue by Country (2019-2024)

7.2 Europe Grid-Scale Battery Sales by Type

7.3 Europe Grid-Scale Battery Sales by Application

7.4 Germany

7.5 France

7.6 UK

7.7 Italy

7.8 Russia

8 MIDDLE EAST & AFRICA

8.1 Middle East & Africa Grid-Scale Battery by Country

8.1.1 Middle East & Africa Grid-Scale Battery Sales by Country (2019-2024)

8.1.2 Middle East & Africa Grid-Scale Battery Revenue by Country (2019-2024)

8.2 Middle East & Africa Grid-Scale Battery Sales by Type

8.3 Middle East & Africa Grid-Scale Battery Sales by Application

8.4 Egypt

8.5 South Africa

8.6 Israel

8.7 Turkey

8.8 GCC Countries

9 MARKET DRIVERS, CHALLENGES AND TRENDS

9.1 Market Drivers & Growth Opportunities

9.2 Market Challenges & Risks

9.3 Industry Trends

10 MANUFACTURING COST STRUCTURE ANALYSIS

10.1 Raw Material and Suppliers

10.2 Manufacturing Cost Structure Analysis of Grid-Scale Battery

10.3 Manufacturing Process Analysis of Grid-Scale Battery

10.4 Industry Chain Structure of Grid-Scale Battery

11 MARKETING, DISTRIBUTORS AND CUSTOMER

11.1 Sales Channel

11.1.1 Direct Channels

11.1.2 Indirect Channels

11.2 Grid-Scale Battery Distributors

11.3 Grid-Scale Battery Customer

12 WORLD FORECAST REVIEW FOR GRID-SCALE BATTERY BY GEOGRAPHIC REGION

12.1 Global Grid-Scale Battery Market Size Forecast by Region

12.1.1 Global Grid-Scale Battery Forecast by Region (2025-2030)

12.1.2 Global Grid-Scale Battery Annual Revenue Forecast by Region (2025-2030)

- 12.2 Americas Forecast by Country
- 12.3 APAC Forecast by Region
- 12.4 Europe Forecast by Country
- 12.5 Middle East & Africa Forecast by Country
- 12.6 Global Grid-Scale Battery Forecast by Type
- 12.7 Global Grid-Scale Battery Forecast by Application

13 KEY PLAYERS ANALYSIS

13.1 LG Chem

- 13.1.1 LG Chem Company Information
- 13.1.2 LG Chem Grid-Scale Battery Product Portfolios and Specifications
- 13.1.3 LG Chem Grid-Scale Battery Sales, Revenue, Price and Gross Margin

(2019-2024)

- 13.1.4 LG Chem Main Business Overview
- 13.1.5 LG Chem Latest Developments

13.2 Samsung Sdi

- 13.2.1 Samsung Sdi Company Information
- 13.2.2 Samsung Sdi Grid-Scale Battery Product Portfolios and Specifications
- 13.2.3 Samsung Sdi Grid-Scale Battery Sales, Revenue, Price and Gross Margin

(2019-2024)

- 13.2.4 Samsung Sdi Main Business Overview
- 13.2.5 Samsung Sdi Latest Developments

13.3 Panasonic

- 13.3.1 Panasonic Company Information
- 13.3.2 Panasonic Grid-Scale Battery Product Portfolios and Specifications
- 13.3.3 Panasonic Grid-Scale Battery Sales, Revenue, Price and Gross Margin

(2019-2024)

- 13.3.4 Panasonic Main Business Overview
- 13.3.5 Panasonic Latest Developments

13.4 Fluence Energy

- 13.4.1 Fluence Energy Company Information
- 13.4.2 Fluence Energy Grid-Scale Battery Product Portfolios and Specifications
- 13.4.3 Fluence Energy Grid-Scale Battery Sales, Revenue, Price and Gross Margin

(2019-2024)

- 13.4.4 Fluence Energy Main Business Overview
- 13.4.5 Fluence Energy Latest Developments

13.5 Tesla

- 13.5.1 Tesla Company Information

- 13.5.2 Tesla Grid-Scale Battery Product Portfolios and Specifications
- 13.5.3 Tesla Grid-Scale Battery Sales, Revenue, Price and Gross Margin (2019-2024)
- 13.5.4 Tesla Main Business Overview
- 13.5.5 Tesla Latest Developments
- 13.6 BYD
 - 13.6.1 BYD Company Information
 - 13.6.2 BYD Grid-Scale Battery Product Portfolios and Specifications
 - 13.6.3 BYD Grid-Scale Battery Sales, Revenue, Price and Gross Margin (2019-2024)
 - 13.6.4 BYD Main Business Overview
 - 13.6.5 BYD Latest Developments
- 13.7 ABB
 - 13.7.1 ABB Company Information
 - 13.7.2 ABB Grid-Scale Battery Product Portfolios and Specifications
 - 13.7.3 ABB Grid-Scale Battery Sales, Revenue, Price and Gross Margin (2019-2024)
 - 13.7.4 ABB Main Business Overview
 - 13.7.5 ABB Latest Developments
- 13.8 GE
 - 13.8.1 GE Company Information
 - 13.8.2 GE Grid-Scale Battery Product Portfolios and Specifications
 - 13.8.3 GE Grid-Scale Battery Sales, Revenue, Price and Gross Margin (2019-2024)
 - 13.8.4 GE Main Business Overview
 - 13.8.5 GE Latest Developments
- 13.9 GS Yuasa
 - 13.9.1 GS Yuasa Company Information
 - 13.9.2 GS Yuasa Grid-Scale Battery Product Portfolios and Specifications
 - 13.9.3 GS Yuasa Grid-Scale Battery Sales, Revenue, Price and Gross Margin (2019-2024)
 - 13.9.4 GS Yuasa Main Business Overview
 - 13.9.5 GS Yuasa Latest Developments
- 13.10 Toshiba
 - 13.10.1 Toshiba Company Information
 - 13.10.2 Toshiba Grid-Scale Battery Product Portfolios and Specifications
 - 13.10.3 Toshiba Grid-Scale Battery Sales, Revenue, Price and Gross Margin (2019-2024)
 - 13.10.4 Toshiba Main Business Overview
 - 13.10.5 Toshiba Latest Developments
- 13.11 Saft Groupe
 - 13.11.1 Saft Groupe Company Information
 - 13.11.2 Saft Groupe Grid-Scale Battery Product Portfolios and Specifications

13.11.3 Saft Groupe Grid-Scale Battery Sales, Revenue, Price and Gross Margin
(2019-2024)

13.11.4 Saft Groupe Main Business Overview

13.11.5 Saft Groupe Latest Developments

13.12 S&C Electric

13.12.1 S&C Electric Company Information

13.12.2 S&C Electric Grid-Scale Battery Product Portfolios and Specifications

13.12.3 S&C Electric Grid-Scale Battery Sales, Revenue, Price and Gross Margin
(2019-2024)

13.12.4 S&C Electric Main Business Overview

13.12.5 S&C Electric Latest Developments

13.13 NGK Insulators

13.13.1 NGK Insulators Company Information

13.13.2 NGK Insulators Grid-Scale Battery Product Portfolios and Specifications

13.13.3 NGK Insulators Grid-Scale Battery Sales, Revenue, Price and Gross Margin
(2019-2024)

13.13.4 NGK Insulators Main Business Overview

13.13.5 NGK Insulators Latest Developments

14 RESEARCH FINDINGS AND CONCLUSION

List Of Tables

LIST OF TABLES

List Of Figures

LIST OF FIGURES

I would like to order

Product name: Global Grid-Scale Battery Market Growth 2024-2030

Product link: <https://marketpublishers.com/r/GAFDC9C5AEA1EN.html>

Price: US\$ 3,660.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/GAFDC9C5AEA1EN.html>