

Global Li-ion Battery for Energy Storage Systems (ESS) Supply, Demand and Key Producers, 2023-2029

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Abstracts

The global Li-ion Battery for Energy Storage Systems (ESS) market size is expected to reach \$ 58690 million by 2029, rising at a market growth of 16.3% CAGR during the forecast period (2023-2029).

Global key players of Li-ion Battery for Energy Storage Systems (ESS) include CATL, BYD, EVE, LG Energy Solution, Samsung SDI, etc. The top five players hold a share over 60%. China is the largest production area, has a share about 87%, followed by Europe, with share 4%. In terms of product type, LFP is the largest segment, occupied for a share of 82%, and in terms of application, Power Grid has a share about 73%.

Li-ion Battery Energy Storage Systems (ESS) refer to a type of energy storage system that uses lithium-ion batteries as the primary energy storage medium. Li-ion batteries are a type of rechargeable battery technology that uses lithium ions as the charge carriers to store and release energy.

Li-ion Battery ESS is a flexible and scalable technology that can be used for a wide range of applications, including commercial and industrial facilities, residential properties, telecommunications, uninterruptible power supply (UPS), and portable energy storage.

The ESS comprises of several components, including the Li-ion batteries, power conversion systems, control and monitoring systems, and safety mechanisms. The batteries store excess energy during off-peak periods and release it during peak demand periods or when the grid is unavailable.

This report studies the global Li-ion Battery for Energy Storage Systems (ESS)

production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Li-ion Battery for Energy Storage Systems (ESS), and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2022 as the base year. This report explores demand trends and competition, as well as details the characteristics of Li-ion Battery for Energy Storage Systems (ESS) that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Li-ion Battery for Energy Storage Systems (ESS) total production and demand, 2018-2029, (MWh)

Global Li-ion Battery for Energy Storage Systems (ESS) total production value, 2018-2029, (USD Million)

Global Li-ion Battery for Energy Storage Systems (ESS) production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (MWh)

Global Li-ion Battery for Energy Storage Systems (ESS) consumption by region & country, CAGR, 2018-2029 & (MWh)

U.S. VS China: Li-ion Battery for Energy Storage Systems (ESS) domestic production, consumption, key domestic manufacturers and share

Global Li-ion Battery for Energy Storage Systems (ESS) production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (MWh)

Global Li-ion Battery for Energy Storage Systems (ESS) production by Type, production, value, CAGR, 2018-2029, (USD Million) & (MWh)

Global Li-ion Battery for Energy Storage Systems (ESS) production by Application production, value, CAGR, 2018-2029, (USD Million) & (MWh)

This reports profiles key players in the global Li-ion Battery for Energy Storage Systems (ESS) market based on the following parameters – company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include CATL, BYD, EVE,

LG Energy Solution, Samsung SDI, REPT, Great Power, Gotion High-tech and Hithium, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Li-ion Battery for Energy Storage Systems (ESS) market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (MWh) and average price (US\$/KWh) by manufacturer, by Type, and by Application. Data is given for the years 2018-2029 by year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the forecast year.

Global Li-ion Battery for Energy Storage Systems (ESS) Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Li-ion Battery for Energy Storage Systems (ESS) Market, Segmentation by Type

NCx

LFP

Global Li-ion Battery for Energy Storage Systems (ESS) Market, Segmentation by Application

Power Grid

Commercial & Industrial

Residential

Telecommunication & UPS

Portable Energy Storage

Companies Profiled:

CATL

BYD

EVE

LG Energy Solution

Samsung SDI

REPT

Great Power

Gotion High-tech

Hithium

Ganfeng

CALB

Envision AESC

Poweramp

Pylon Technologies

Lishen

Saft

Kokam

Panasonic

Key Questions Answered

1. How big is the global Li-ion Battery for Energy Storage Systems (ESS) market?
2. What is the demand of the global Li-ion Battery for Energy Storage Systems (ESS) market?
3. What is the year over year growth of the global Li-ion Battery for Energy Storage Systems (ESS) market?
4. What is the production and production value of the global Li-ion Battery for Energy Storage Systems (ESS) market?
5. Who are the key producers in the global Li-ion Battery for Energy Storage Systems (ESS) market?
6. What are the growth factors driving the market demand?

Contents

1 SUPPLY SUMMARY

- 1.1 Li-ion Battery for Energy Storage Systems (ESS) Introduction
- 1.2 World Li-ion Battery for Energy Storage Systems (ESS) Supply & Forecast
 - 1.2.1 World Li-ion Battery for Energy Storage Systems (ESS) Production Value (2018 & 2022 & 2029)
 - 1.2.2 World Li-ion Battery for Energy Storage Systems (ESS) Production (2018-2029)
 - 1.2.3 World Li-ion Battery for Energy Storage Systems (ESS) Pricing Trends (2018-2029)
- 1.3 World Li-ion Battery for Energy Storage Systems (ESS) Production by Region (Based on Production Site)
 - 1.3.1 World Li-ion Battery for Energy Storage Systems (ESS) Production Value by Region (2018-2029)
 - 1.3.2 World Li-ion Battery for Energy Storage Systems (ESS) Production by Region (2018-2029)
 - 1.3.3 World Li-ion Battery for Energy Storage Systems (ESS) Average Price by Region (2018-2029)
 - 1.3.4 North America Li-ion Battery for Energy Storage Systems (ESS) Production (2018-2029)
 - 1.3.5 Europe Li-ion Battery for Energy Storage Systems (ESS) Production (2018-2029)
 - 1.3.6 China Li-ion Battery for Energy Storage Systems (ESS) Production (2018-2029)
 - 1.3.7 Japan Li-ion Battery for Energy Storage Systems (ESS) Production (2018-2029)
 - 1.3.8 South Korea Li-ion Battery for Energy Storage Systems (ESS) Production (2018-2029)
- 1.4 Market Drivers, Restraints and Trends
 - 1.4.1 Li-ion Battery for Energy Storage Systems (ESS) Market Drivers
 - 1.4.2 Factors Affecting Demand
 - 1.4.3 Li-ion Battery for Energy Storage Systems (ESS) Major Market Trends
- 1.5 Influence of COVID-19 and Russia-Ukraine War
 - 1.5.1 Influence of COVID-19
 - 1.5.2 Influence of Russia-Ukraine War

2 DEMAND SUMMARY

- 2.1 World Li-ion Battery for Energy Storage Systems (ESS) Demand (2018-2029)
- 2.2 World Li-ion Battery for Energy Storage Systems (ESS) Consumption by Region
 - 2.2.1 World Li-ion Battery for Energy Storage Systems (ESS) Consumption by Region

(2018-2023)

2.2.2 World Li-ion Battery for Energy Storage Systems (ESS) Consumption Forecast by Region (2024-2029)

2.3 United States Li-ion Battery for Energy Storage Systems (ESS) Consumption (2018-2029)

2.4 China Li-ion Battery for Energy Storage Systems (ESS) Consumption (2018-2029)

2.5 Europe Li-ion Battery for Energy Storage Systems (ESS) Consumption (2018-2029)

2.6 Japan Li-ion Battery for Energy Storage Systems (ESS) Consumption (2018-2029)

2.7 South Korea Li-ion Battery for Energy Storage Systems (ESS) Consumption (2018-2029)

2.8 ASEAN Li-ion Battery for Energy Storage Systems (ESS) Consumption (2018-2029)

2.9 India Li-ion Battery for Energy Storage Systems (ESS) Consumption (2018-2029)

3 WORLD LI-ION BATTERY FOR ENERGY STORAGE SYSTEMS (ESS) MANUFACTURERS COMPETITIVE ANALYSIS

3.1 World Li-ion Battery for Energy Storage Systems (ESS) Production Value by Manufacturer (2018-2023)

3.2 World Li-ion Battery for Energy Storage Systems (ESS) Production by Manufacturer (2018-2023)

3.3 World Li-ion Battery for Energy Storage Systems (ESS) Average Price by Manufacturer (2018-2023)

3.4 Li-ion Battery for Energy Storage Systems (ESS) Company Evaluation Quadrant

3.5 Industry Rank and Concentration Rate (CR)

3.5.1 Global Li-ion Battery for Energy Storage Systems (ESS) Industry Rank of Major Manufacturers

3.5.2 Global Concentration Ratios (CR4) for Li-ion Battery for Energy Storage Systems (ESS) in 2022

3.5.3 Global Concentration Ratios (CR8) for Li-ion Battery for Energy Storage Systems (ESS) in 2022

3.6 Li-ion Battery for Energy Storage Systems (ESS) Market: Overall Company Footprint Analysis

3.6.1 Li-ion Battery for Energy Storage Systems (ESS) Market: Region Footprint

3.6.2 Li-ion Battery for Energy Storage Systems (ESS) Market: Company Product Type Footprint

3.6.3 Li-ion Battery for Energy Storage Systems (ESS) Market: Company Product Application Footprint

3.7 Competitive Environment

3.7.1 Historical Structure of the Industry

- 3.7.2 Barriers of Market Entry
- 3.7.3 Factors of Competition
- 3.8 New Entrant and Capacity Expansion Plans
- 3.9 Mergers, Acquisition, Agreements, and Collaborations

4 UNITED STATES VS CHINA VS REST OF THE WORLD

4.1 United States VS China: Li-ion Battery for Energy Storage Systems (ESS) Production Value Comparison

4.1.1 United States VS China: Li-ion Battery for Energy Storage Systems (ESS)
Production Value Comparison (2018 & 2022 & 2029)

4.1.2 United States VS China: Li-ion Battery for Energy Storage Systems (ESS)
Production Value Market Share Comparison (2018 & 2022 & 2029)

4.2 United States VS China: Li-ion Battery for Energy Storage Systems (ESS) Production Comparison

4.2.1 United States VS China: Li-ion Battery for Energy Storage Systems (ESS)
Production Comparison (2018 & 2022 & 2029)

4.2.2 United States VS China: Li-ion Battery for Energy Storage Systems (ESS)
Production Market Share Comparison (2018 & 2022 & 2029)

4.3 United States VS China: Li-ion Battery for Energy Storage Systems (ESS) Consumption Comparison

4.3.1 United States VS China: Li-ion Battery for Energy Storage Systems (ESS)
Consumption Comparison (2018 & 2022 & 2029)

4.3.2 United States VS China: Li-ion Battery for Energy Storage Systems (ESS)
Consumption Market Share Comparison (2018 & 2022 & 2029)

4.4 United States Based Li-ion Battery for Energy Storage Systems (ESS) Manufacturers and Market Share, 2018-2023

4.4.1 United States Based Li-ion Battery for Energy Storage Systems (ESS)
Manufacturers, Headquarters and Production Site (States, Country)

4.4.2 United States Based Manufacturers Li-ion Battery for Energy Storage Systems
(ESS) Production Value (2018-2023)

4.4.3 United States Based Manufacturers Li-ion Battery for Energy Storage Systems
(ESS) Production (2018-2023)

4.5 China Based Li-ion Battery for Energy Storage Systems (ESS) Manufacturers and Market Share

4.5.1 China Based Li-ion Battery for Energy Storage Systems (ESS) Manufacturers,
Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers Li-ion Battery for Energy Storage Systems (ESS)
Production Value (2018-2023)

4.5.3 China Based Manufacturers Li-ion Battery for Energy Storage Systems (ESS) Production (2018-2023)

4.6 Rest of World Based Li-ion Battery for Energy Storage Systems (ESS) Manufacturers and Market Share, 2018-2023

4.6.1 Rest of World Based Li-ion Battery for Energy Storage Systems (ESS) Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers Li-ion Battery for Energy Storage Systems (ESS) Production Value (2018-2023)

4.6.3 Rest of World Based Manufacturers Li-ion Battery for Energy Storage Systems (ESS) Production (2018-2023)

5 MARKET ANALYSIS BY TYPE

5.1 World Li-ion Battery for Energy Storage Systems (ESS) Market Size Overview by Type: 2018 VS 2022 VS 2029

5.2 Segment Introduction by Type

5.2.1 NCx

5.2.2 LFP

5.3 Market Segment by Type

5.3.1 World Li-ion Battery for Energy Storage Systems (ESS) Production by Type (2018-2029)

5.3.2 World Li-ion Battery for Energy Storage Systems (ESS) Production Value by Type (2018-2029)

5.3.3 World Li-ion Battery for Energy Storage Systems (ESS) Average Price by Type (2018-2029)

6 MARKET ANALYSIS BY APPLICATION

6.1 World Li-ion Battery for Energy Storage Systems (ESS) Market Size Overview by Application: 2018 VS 2022 VS 2029

6.2 Segment Introduction by Application

6.2.1 Power Grid

6.2.2 Commercial & Industrial

6.2.3 Residential

6.2.4 Telecommunication & UPS

6.2.5 Portable Energy Storage

6.3 Market Segment by Application

6.3.1 World Li-ion Battery for Energy Storage Systems (ESS) Production by Application (2018-2029)

6.3.2 World Li-ion Battery for Energy Storage Systems (ESS) Production Value by Application (2018-2029)

6.3.3 World Li-ion Battery for Energy Storage Systems (ESS) Average Price by Application (2018-2029)

7 COMPANY PROFILES

7.1 CATL

7.1.1 CATL Details

7.1.2 CATL Major Business

7.1.3 CATL Li-ion Battery for Energy Storage Systems (ESS) Product and Services

7.1.4 CATL Li-ion Battery for Energy Storage Systems (ESS) Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.1.5 CATL Recent Developments/Updates

7.1.6 CATL Competitive Strengths & Weaknesses

7.2 BYD

7.2.1 BYD Details

7.2.2 BYD Major Business

7.2.3 BYD Li-ion Battery for Energy Storage Systems (ESS) Product and Services

7.2.4 BYD Li-ion Battery for Energy Storage Systems (ESS) Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.2.5 BYD Recent Developments/Updates

7.2.6 BYD Competitive Strengths & Weaknesses

7.3 EVE

7.3.1 EVE Details

7.3.2 EVE Major Business

7.3.3 EVE Li-ion Battery for Energy Storage Systems (ESS) Product and Services

7.3.4 EVE Li-ion Battery for Energy Storage Systems (ESS) Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.3.5 EVE Recent Developments/Updates

7.3.6 EVE Competitive Strengths & Weaknesses

7.4 LG Energy Solution

7.4.1 LG Energy Solution Details

7.4.2 LG Energy Solution Major Business

7.4.3 LG Energy Solution Li-ion Battery for Energy Storage Systems (ESS) Product and Services

7.4.4 LG Energy Solution Li-ion Battery for Energy Storage Systems (ESS) Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.4.5 LG Energy Solution Recent Developments/Updates

- 7.4.6 LG Energy Solution Competitive Strengths & Weaknesses
- 7.5 Samsung SDI
 - 7.5.1 Samsung SDI Details
 - 7.5.2 Samsung SDI Major Business
 - 7.5.3 Samsung SDI Li-ion Battery for Energy Storage Systems (ESS) Product and Services
 - 7.5.4 Samsung SDI Li-ion Battery for Energy Storage Systems (ESS) Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.5.5 Samsung SDI Recent Developments/Updates
 - 7.5.6 Samsung SDI Competitive Strengths & Weaknesses
- 7.6 REPT
 - 7.6.1 REPT Details
 - 7.6.2 REPT Major Business
 - 7.6.3 REPT Li-ion Battery for Energy Storage Systems (ESS) Product and Services
 - 7.6.4 REPT Li-ion Battery for Energy Storage Systems (ESS) Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.6.5 REPT Recent Developments/Updates
 - 7.6.6 REPT Competitive Strengths & Weaknesses
- 7.7 Great Power
 - 7.7.1 Great Power Details
 - 7.7.2 Great Power Major Business
 - 7.7.3 Great Power Li-ion Battery for Energy Storage Systems (ESS) Product and Services
 - 7.7.4 Great Power Li-ion Battery for Energy Storage Systems (ESS) Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.7.5 Great Power Recent Developments/Updates
 - 7.7.6 Great Power Competitive Strengths & Weaknesses
- 7.8 Gotion High-tech
 - 7.8.1 Gotion High-tech Details
 - 7.8.2 Gotion High-tech Major Business
 - 7.8.3 Gotion High-tech Li-ion Battery for Energy Storage Systems (ESS) Product and Services
 - 7.8.4 Gotion High-tech Li-ion Battery for Energy Storage Systems (ESS) Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.8.5 Gotion High-tech Recent Developments/Updates
 - 7.8.6 Gotion High-tech Competitive Strengths & Weaknesses
- 7.9 Hithium
 - 7.9.1 Hithium Details
 - 7.9.2 Hithium Major Business

- 7.9.3 Hithium Li-ion Battery for Energy Storage Systems (ESS) Product and Services
- 7.9.4 Hithium Li-ion Battery for Energy Storage Systems (ESS) Production, Price, Value, Gross Margin and Market Share (2018-2023)
- 7.9.5 Hithium Recent Developments/Updates
- 7.9.6 Hithium Competitive Strengths & Weaknesses
- 7.10 Ganfeng
 - 7.10.1 Ganfeng Details
 - 7.10.2 Ganfeng Major Business
 - 7.10.3 Ganfeng Li-ion Battery for Energy Storage Systems (ESS) Product and Services
 - 7.10.4 Ganfeng Li-ion Battery for Energy Storage Systems (ESS) Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.10.5 Ganfeng Recent Developments/Updates
 - 7.10.6 Ganfeng Competitive Strengths & Weaknesses
- 7.11 CALB
 - 7.11.1 CALB Details
 - 7.11.2 CALB Major Business
 - 7.11.3 CALB Li-ion Battery for Energy Storage Systems (ESS) Product and Services
 - 7.11.4 CALB Li-ion Battery for Energy Storage Systems (ESS) Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.11.5 CALB Recent Developments/Updates
 - 7.11.6 CALB Competitive Strengths & Weaknesses
- 7.12 Envision AESC
 - 7.12.1 Envision AESC Details
 - 7.12.2 Envision AESC Major Business
 - 7.12.3 Envision AESC Li-ion Battery for Energy Storage Systems (ESS) Product and Services
 - 7.12.4 Envision AESC Li-ion Battery for Energy Storage Systems (ESS) Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.12.5 Envision AESC Recent Developments/Updates
 - 7.12.6 Envision AESC Competitive Strengths & Weaknesses
- 7.13 Poweramp
 - 7.13.1 Poweramp Details
 - 7.13.2 Poweramp Major Business
 - 7.13.3 Poweramp Li-ion Battery for Energy Storage Systems (ESS) Product and Services
 - 7.13.4 Poweramp Li-ion Battery for Energy Storage Systems (ESS) Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.13.5 Poweramp Recent Developments/Updates

- 7.13.6 Poweramp Competitive Strengths & Weaknesses
- 7.14 Pylon Technologies
 - 7.14.1 Pylon Technologies Details
 - 7.14.2 Pylon Technologies Major Business
 - 7.14.3 Pylon Technologies Li-ion Battery for Energy Storage Systems (ESS) Product and Services
 - 7.14.4 Pylon Technologies Li-ion Battery for Energy Storage Systems (ESS) Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.14.5 Pylon Technologies Recent Developments/Updates
 - 7.14.6 Pylon Technologies Competitive Strengths & Weaknesses
- 7.15 Lishen
 - 7.15.1 Lishen Details
 - 7.15.2 Lishen Major Business
 - 7.15.3 Lishen Li-ion Battery for Energy Storage Systems (ESS) Product and Services
 - 7.15.4 Lishen Li-ion Battery for Energy Storage Systems (ESS) Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.15.5 Lishen Recent Developments/Updates
 - 7.15.6 Lishen Competitive Strengths & Weaknesses
- 7.16 Saft
 - 7.16.1 Saft Details
 - 7.16.2 Saft Major Business
 - 7.16.3 Saft Li-ion Battery for Energy Storage Systems (ESS) Product and Services
 - 7.16.4 Saft Li-ion Battery for Energy Storage Systems (ESS) Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.16.5 Saft Recent Developments/Updates
 - 7.16.6 Saft Competitive Strengths & Weaknesses
- 7.17 Kokam
 - 7.17.1 Kokam Details
 - 7.17.2 Kokam Major Business
 - 7.17.3 Kokam Li-ion Battery for Energy Storage Systems (ESS) Product and Services
 - 7.17.4 Kokam Li-ion Battery for Energy Storage Systems (ESS) Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.17.5 Kokam Recent Developments/Updates
 - 7.17.6 Kokam Competitive Strengths & Weaknesses
- 7.18 Panasonic
 - 7.18.1 Panasonic Details
 - 7.18.2 Panasonic Major Business
 - 7.18.3 Panasonic Li-ion Battery for Energy Storage Systems (ESS) Product and Services

7.18.4 Panasonic Li-ion Battery for Energy Storage Systems (ESS) Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.18.5 Panasonic Recent Developments/Updates

7.18.6 Panasonic Competitive Strengths & Weaknesses

8 INDUSTRY CHAIN ANALYSIS

8.1 Li-ion Battery for Energy Storage Systems (ESS) Industry Chain

8.2 Li-ion Battery for Energy Storage Systems (ESS) Upstream Analysis

8.2.1 Li-ion Battery for Energy Storage Systems (ESS) Core Raw Materials

8.2.2 Main Manufacturers of Li-ion Battery for Energy Storage Systems (ESS) Core Raw Materials

8.3 Midstream Analysis

8.4 Downstream Analysis

8.5 Li-ion Battery for Energy Storage Systems (ESS) Production Mode

8.6 Li-ion Battery for Energy Storage Systems (ESS) Procurement Model

8.7 Li-ion Battery for Energy Storage Systems (ESS) Industry Sales Model and Sales Channels

8.7.1 Li-ion Battery for Energy Storage Systems (ESS) Sales Model

8.7.2 Li-ion Battery for Energy Storage Systems (ESS) Typical Customers

9 RESEARCH FINDINGS AND CONCLUSION

10 APPENDIX

10.1 Methodology

10.2 Research Process and Data Source

10.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. World Li-ion Battery for Energy Storage Systems (ESS) Production Value by Region (2018, 2022 and 2029) & (USD Million)

Table 2. World Li-ion Battery for Energy Storage Systems (ESS) Production Value by Region (2018-2023) & (USD Million)

Table 3. World Li-ion Battery for Energy Storage Systems (ESS) Production Value by Region (2024-2029) & (USD Million)

Table 4. World Li-ion Battery for Energy Storage Systems (ESS) Production Value Market Share by Region (2018-2023)

Table 5. World Li-ion Battery for Energy Storage Systems (ESS) Production Value Market Share by Region (2024-2029)

Table 6. World Li-ion Battery for Energy Storage Systems (ESS) Production by Region (2018-2023) & (MWh)

Table 7. World Li-ion Battery for Energy Storage Systems (ESS) Production by Region (2024-2029) & (MWh)

Table 8. World Li-ion Battery for Energy Storage Systems (ESS) Production Market Share by Region (2018-2023)

Table 9. World Li-ion Battery for Energy Storage Systems (ESS) Production Market Share by Region (2024-2029)

Table 10. World Li-ion Battery for Energy Storage Systems (ESS) Average Price by Region (2018-2023) & (US\$/KWh)

Table 11. World Li-ion Battery for Energy Storage Systems (ESS) Average Price by Region (2024-2029) & (US\$/KWh)

Table 12. Li-ion Battery for Energy Storage Systems (ESS) Major Market Trends

Table 13. World Li-ion Battery for Energy Storage Systems (ESS) Consumption Growth Rate Forecast by Region (2018 & 2022 & 2029) & (MWh)

Table 14. World Li-ion Battery for Energy Storage Systems (ESS) Consumption by Region (2018-2023) & (MWh)

Table 15. World Li-ion Battery for Energy Storage Systems (ESS) Consumption Forecast by Region (2024-2029) & (MWh)

Table 16. World Li-ion Battery for Energy Storage Systems (ESS) Production Value by Manufacturer (2018-2023) & (USD Million)

Table 17. Production Value Market Share of Key Li-ion Battery for Energy Storage Systems (ESS) Producers in 2022

Table 18. World Li-ion Battery for Energy Storage Systems (ESS) Production by Manufacturer (2018-2023) & (MWh)

Table 19. Production Market Share of Key Li-ion Battery for Energy Storage Systems (ESS) Producers in 2022

Table 20. World Li-ion Battery for Energy Storage Systems (ESS) Average Price by Manufacturer (2018-2023) & (US\$/KWh)

Table 21. Global Li-ion Battery for Energy Storage Systems (ESS) Company Evaluation Quadrant

Table 22. World Li-ion Battery for Energy Storage Systems (ESS) Industry Rank of Major Manufacturers, Based on Production Value in 2022

Table 23. Head Office and Li-ion Battery for Energy Storage Systems (ESS) Production Site of Key Manufacturer

Table 24. Li-ion Battery for Energy Storage Systems (ESS) Market: Company Product Type Footprint

Table 25. Li-ion Battery for Energy Storage Systems (ESS) Market: Company Product Application Footprint

Table 26. Li-ion Battery for Energy Storage Systems (ESS) Competitive Factors

Table 27. Li-ion Battery for Energy Storage Systems (ESS) New Entrant and Capacity Expansion Plans

Table 28. Li-ion Battery for Energy Storage Systems (ESS) Mergers & Acquisitions Activity

Table 29. United States VS China Li-ion Battery for Energy Storage Systems (ESS) Production Value Comparison, (2018 & 2022 & 2029) & (USD Million)

Table 30. United States VS China Li-ion Battery for Energy Storage Systems (ESS) Production Comparison, (2018 & 2022 & 2029) & (MWh)

Table 31. United States VS China Li-ion Battery for Energy Storage Systems (ESS) Consumption Comparison, (2018 & 2022 & 2029) & (MWh)

Table 32. United States Based Li-ion Battery for Energy Storage Systems (ESS) Manufacturers, Headquarters and Production Site (States, Country)

Table 33. United States Based Manufacturers Li-ion Battery for Energy Storage Systems (ESS) Production Value, (2018-2023) & (USD Million)

Table 34. United States Based Manufacturers Li-ion Battery for Energy Storage Systems (ESS) Production Value Market Share (2018-2023)

Table 35. United States Based Manufacturers Li-ion Battery for Energy Storage Systems (ESS) Production (2018-2023) & (MWh)

Table 36. United States Based Manufacturers Li-ion Battery for Energy Storage Systems (ESS) Production Market Share (2018-2023)

Table 37. China Based Li-ion Battery for Energy Storage Systems (ESS) Manufacturers, Headquarters and Production Site (Province, Country)

Table 38. China Based Manufacturers Li-ion Battery for Energy Storage Systems (ESS) Production Value, (2018-2023) & (USD Million)

Table 39. China Based Manufacturers Li-ion Battery for Energy Storage Systems (ESS) Production Value Market Share (2018-2023)

Table 40. China Based Manufacturers Li-ion Battery for Energy Storage Systems (ESS) Production (2018-2023) & (MWh)

Table 41. China Based Manufacturers Li-ion Battery for Energy Storage Systems (ESS) Production Market Share (2018-2023)

Table 42. Rest of World Based Li-ion Battery for Energy Storage Systems (ESS) Manufacturers, Headquarters and Production Site (States, Country)

Table 43. Rest of World Based Manufacturers Li-ion Battery for Energy Storage Systems (ESS) Production Value, (2018-2023) & (USD Million)

Table 44. Rest of World Based Manufacturers Li-ion Battery for Energy Storage Systems (ESS) Production Value Market Share (2018-2023)

Table 45. Rest of World Based Manufacturers Li-ion Battery for Energy Storage Systems (ESS) Production (2018-2023) & (MWh)

Table 46. Rest of World Based Manufacturers Li-ion Battery for Energy Storage Systems (ESS) Production Market Share (2018-2023)

Table 47. World Li-ion Battery for Energy Storage Systems (ESS) Production Value by Type, (USD Million), 2018 & 2022 & 2029

Table 48. World Li-ion Battery for Energy Storage Systems (ESS) Production by Type (2018-2023) & (MWh)

Table 49. World Li-ion Battery for Energy Storage Systems (ESS) Production by Type (2024-2029) & (MWh)

Table 50. World Li-ion Battery for Energy Storage Systems (ESS) Production Value by Type (2018-2023) & (USD Million)

Table 51. World Li-ion Battery for Energy Storage Systems (ESS) Production Value by Type (2024-2029) & (USD Million)

Table 52. World Li-ion Battery for Energy Storage Systems (ESS) Average Price by Type (2018-2023) & (US\$/KWh)

Table 53. World Li-ion Battery for Energy Storage Systems (ESS) Average Price by Type (2024-2029) & (US\$/KWh)

Table 54. World Li-ion Battery for Energy Storage Systems (ESS) Production Value by Application, (USD Million), 2018 & 2022 & 2029

Table 55. World Li-ion Battery for Energy Storage Systems (ESS) Production by Application (2018-2023) & (MWh)

Table 56. World Li-ion Battery for Energy Storage Systems (ESS) Production by Application (2024-2029) & (MWh)

Table 57. World Li-ion Battery for Energy Storage Systems (ESS) Production Value by Application (2018-2023) & (USD Million)

Table 58. World Li-ion Battery for Energy Storage Systems (ESS) Production Value by

Application (2024-2029) & (USD Million)

Table 59. World Li-ion Battery for Energy Storage Systems (ESS) Average Price by Application (2018-2023) & (US\$/KWh)

Table 60. World Li-ion Battery for Energy Storage Systems (ESS) Average Price by Application (2024-2029) & (US\$/KWh)

Table 61. CATL Basic Information, Manufacturing Base and Competitors

Table 62. CATL Major Business

Table 63. CATL Li-ion Battery for Energy Storage Systems (ESS) Product and Services

Table 64. CATL Li-ion Battery for Energy Storage Systems (ESS) Production (MWh), Price (US\$/KWh), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 65. CATL Recent Developments/Updates

Table 66. CATL Competitive Strengths & Weaknesses

Table 67. BYD Basic Information, Manufacturing Base and Competitors

Table 68. BYD Major Business

Table 69. BYD Li-ion Battery for Energy Storage Systems (ESS) Product and Services

Table 70. BYD Li-ion Battery for Energy Storage Systems (ESS) Production (MWh), Price (US\$/KWh), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 71. BYD Recent Developments/Updates

Table 72. BYD Competitive Strengths & Weaknesses

Table 73. EVE Basic Information, Manufacturing Base and Competitors

Table 74. EVE Major Business

Table 75. EVE Li-ion Battery for Energy Storage Systems (ESS) Product and Services

Table 76. EVE Li-ion Battery for Energy Storage Systems (ESS) Production (MWh), Price (US\$/KWh), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 77. EVE Recent Developments/Updates

Table 78. EVE Competitive Strengths & Weaknesses

Table 79. LG Energy Solution Basic Information, Manufacturing Base and Competitors

Table 80. LG Energy Solution Major Business

Table 81. LG Energy Solution Li-ion Battery for Energy Storage Systems (ESS) Product and Services

Table 82. LG Energy Solution Li-ion Battery for Energy Storage Systems (ESS) Production (MWh), Price (US\$/KWh), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 83. LG Energy Solution Recent Developments/Updates

Table 84. LG Energy Solution Competitive Strengths & Weaknesses

Table 85. Samsung SDI Basic Information, Manufacturing Base and Competitors

Table 86. Samsung SDI Major Business

Table 87. Samsung SDI Li-ion Battery for Energy Storage Systems (ESS) Product and Services

Table 88. Samsung SDI Li-ion Battery for Energy Storage Systems (ESS) Production (MWh), Price (US\$/KWh), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 89. Samsung SDI Recent Developments/Updates

Table 90. Samsung SDI Competitive Strengths & Weaknesses

Table 91. REPT Basic Information, Manufacturing Base and Competitors

Table 92. REPT Major Business

Table 93. REPT Li-ion Battery for Energy Storage Systems (ESS) Product and Services

Table 94. REPT Li-ion Battery for Energy Storage Systems (ESS) Production (MWh), Price (US\$/KWh), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 95. REPT Recent Developments/Updates

Table 96. REPT Competitive Strengths & Weaknesses

Table 97. Great Power Basic Information, Manufacturing Base and Competitors

Table 98. Great Power Major Business

Table 99. Great Power Li-ion Battery for Energy Storage Systems (ESS) Product and Services

Table 100. Great Power Li-ion Battery for Energy Storage Systems (ESS) Production (MWh), Price (US\$/KWh), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 101. Great Power Recent Developments/Updates

Table 102. Great Power Competitive Strengths & Weaknesses

Table 103. Gotion High-tech Basic Information, Manufacturing Base and Competitors

Table 104. Gotion High-tech Major Business

Table 105. Gotion High-tech Li-ion Battery for Energy Storage Systems (ESS) Product and Services

Table 106. Gotion High-tech Li-ion Battery for Energy Storage Systems (ESS) Production (MWh), Price (US\$/KWh), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 107. Gotion High-tech Recent Developments/Updates

Table 108. Gotion High-tech Competitive Strengths & Weaknesses

Table 109. Hithium Basic Information, Manufacturing Base and Competitors

Table 110. Hithium Major Business

Table 111. Hithium Li-ion Battery for Energy Storage Systems (ESS) Product and Services

Table 112. Hithium Li-ion Battery for Energy Storage Systems (ESS) Production (MWh),

Price (US\$/KWh), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 113. Hithium Recent Developments/Updates

Table 114. Hithium Competitive Strengths & Weaknesses

Table 115. Ganfeng Basic Information, Manufacturing Base and Competitors

Table 116. Ganfeng Major Business

Table 117. Ganfeng Li-ion Battery for Energy Storage Systems (ESS) Product and Services

Table 118. Ganfeng Li-ion Battery for Energy Storage Systems (ESS) Production (MWh), Price (US\$/KWh), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 119. Ganfeng Recent Developments/Updates

Table 120. Ganfeng Competitive Strengths & Weaknesses

Table 121. CALB Basic Information, Manufacturing Base and Competitors

Table 122. CALB Major Business

Table 123. CALB Li-ion Battery for Energy Storage Systems (ESS) Product and Services

Table 124. CALB Li-ion Battery for Energy Storage Systems (ESS) Production (MWh), Price (US\$/KWh), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 125. CALB Recent Developments/Updates

Table 126. CALB Competitive Strengths & Weaknesses

Table 127. Envision AESC Basic Information, Manufacturing Base and Competitors

Table 128. Envision AESC Major Business

Table 129. Envision AESC Li-ion Battery for Energy Storage Systems (ESS) Product and Services

Table 130. Envision AESC Li-ion Battery for Energy Storage Systems (ESS) Production (MWh), Price (US\$/KWh), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 131. Envision AESC Recent Developments/Updates

Table 132. Envision AESC Competitive Strengths & Weaknesses

Table 133. Poweramp Basic Information, Manufacturing Base and Competitors

Table 134. Poweramp Major Business

Table 135. Poweramp Li-ion Battery for Energy Storage Systems (ESS) Product and Services

Table 136. Poweramp Li-ion Battery for Energy Storage Systems (ESS) Production (MWh), Price (US\$/KWh), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 137. Poweramp Recent Developments/Updates

Table 138. Poweramp Competitive Strengths & Weaknesses

Table 139. Pylon Technologies Basic Information, Manufacturing Base and Competitors

Table 140. Pylon Technologies Major Business

Table 141. Pylon Technologies Li-ion Battery for Energy Storage Systems (ESS) Product and Services

Table 142. Pylon Technologies Li-ion Battery for Energy Storage Systems (ESS) Production (MWh), Price (US\$/KWh), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 143. Pylon Technologies Recent Developments/Updates

Table 144. Pylon Technologies Competitive Strengths & Weaknesses

Table 145. Lishen Basic Information, Manufacturing Base and Competitors

Table 146. Lishen Major Business

Table 147. Lishen Li-ion Battery for Energy Storage Systems (ESS) Product and Services

Table 148. Lishen Li-ion Battery for Energy Storage Systems (ESS) Production (MWh), Price (US\$/KWh), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 149. Lishen Recent Developments/Updates

Table 150. Lishen Competitive Strengths & Weaknesses

Table 151. Saft Basic Information, Manufacturing Base and Competitors

Table 152. Saft Major Business

Table 153. Saft Li-ion Battery for Energy Storage Systems (ESS) Product and Services

Table 154. Saft Li-ion Battery for Energy Storage Systems (ESS) Production (MWh), Price (US\$/KWh), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 155. Saft Recent Developments/Updates

Table 156. Saft Competitive Strengths & Weaknesses

Table 157. Kokam Basic Information, Manufacturing Base and Competitors

Table 158. Kokam Major Business

Table 159. Kokam Li-ion Battery for Energy Storage Systems (ESS) Product and Services

Table 160. Kokam Li-ion Battery for Energy Storage Systems (ESS) Production (MWh), Price (US\$/KWh), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 161. Kokam Recent Developments/Updates

Table 162. Panasonic Basic Information, Manufacturing Base and Competitors

Table 163. Panasonic Major Business

Table 164. Panasonic Li-ion Battery for Energy Storage Systems (ESS) Product and Services

Table 165. Panasonic Li-ion Battery for Energy Storage Systems (ESS) Production (MWh), Price (US\$/KWh), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 166. Global Key Players of Li-ion Battery for Energy Storage Systems (ESS) Upstream (Raw Materials)

Table 167. Li-ion Battery for Energy Storage Systems (ESS) Typical Customers

Table 168. Li-ion Battery for Energy Storage Systems (ESS) Typical Distributors

List Of Figures

LIST OF FIGURES

- Figure 1. Li-ion Battery for Energy Storage Systems (ESS) Picture
- Figure 2. World Li-ion Battery for Energy Storage Systems (ESS) Production Value: 2018 & 2022 & 2029, (USD Million)
- Figure 3. World Li-ion Battery for Energy Storage Systems (ESS) Production Value and Forecast (2018-2029) & (USD Million)
- Figure 4. World Li-ion Battery for Energy Storage Systems (ESS) Production (2018-2029) & (MWh)
- Figure 5. World Li-ion Battery for Energy Storage Systems (ESS) Average Price (2018-2029) & (US\$/KWh)
- Figure 6. World Li-ion Battery for Energy Storage Systems (ESS) Production Value Market Share by Region (2018-2029)
- Figure 7. World Li-ion Battery for Energy Storage Systems (ESS) Production Market Share by Region (2018-2029)
- Figure 8. North America Li-ion Battery for Energy Storage Systems (ESS) Production (2018-2029) & (MWh)
- Figure 9. Europe Li-ion Battery for Energy Storage Systems (ESS) Production (2018-2029) & (MWh)
- Figure 10. China Li-ion Battery for Energy Storage Systems (ESS) Production (2018-2029) & (MWh)
- Figure 11. Japan Li-ion Battery for Energy Storage Systems (ESS) Production (2018-2029) & (MWh)
- Figure 12. South Korea Li-ion Battery for Energy Storage Systems (ESS) Production (2018-2029) & (MWh)
- Figure 13. Li-ion Battery for Energy Storage Systems (ESS) Market Drivers
- Figure 14. Factors Affecting Demand
- Figure 15. World Li-ion Battery for Energy Storage Systems (ESS) Consumption (2018-2029) & (MWh)
- Figure 16. World Li-ion Battery for Energy Storage Systems (ESS) Consumption Market Share by Region (2018-2029)
- Figure 17. United States Li-ion Battery for Energy Storage Systems (ESS) Consumption (2018-2029) & (MWh)
- Figure 18. China Li-ion Battery for Energy Storage Systems (ESS) Consumption (2018-2029) & (MWh)
- Figure 19. Europe Li-ion Battery for Energy Storage Systems (ESS) Consumption (2018-2029) & (MWh)

Figure 20. Japan Li-ion Battery for Energy Storage Systems (ESS) Consumption (2018-2029) & (MWh)

Figure 21. South Korea Li-ion Battery for Energy Storage Systems (ESS) Consumption (2018-2029) & (MWh)

Figure 22. ASEAN Li-ion Battery for Energy Storage Systems (ESS) Consumption (2018-2029) & (MWh)

Figure 23. India Li-ion Battery for Energy Storage Systems (ESS) Consumption (2018-2029) & (MWh)

Figure 24. Producer Shipments of Li-ion Battery for Energy Storage Systems (ESS) by Manufacturer Revenue (\$MM) and Market Share (%): 2022

Figure 25. Global Four-firm Concentration Ratios (CR4) for Li-ion Battery for Energy Storage Systems (ESS) Markets in 2022

Figure 26. Global Four-firm Concentration Ratios (CR8) for Li-ion Battery for Energy Storage Systems (ESS) Markets in 2022

Figure 27. United States VS China: Li-ion Battery for Energy Storage Systems (ESS) Production Value Market Share Comparison (2018 & 2022 & 2029)

Figure 28. United States VS China: Li-ion Battery for Energy Storage Systems (ESS) Production Market Share Comparison (2018 & 2022 & 2029)

Figure 29. United States VS China: Li-ion Battery for Energy Storage Systems (ESS) Consumption Market Share Comparison (2018 & 2022 & 2029)

Figure 30. United States Based Manufacturers Li-ion Battery for Energy Storage Systems (ESS) Production Market Share 2022

Figure 31. China Based Manufacturers Li-ion Battery for Energy Storage Systems (ESS) Production Market Share 2022

Figure 32. Rest of World Based Manufacturers Li-ion Battery for Energy Storage Systems (ESS) Production Market Share 2022

Figure 33. World Li-ion Battery for Energy Storage Systems (ESS) Production Value by Type, (USD Million), 2018 & 2022 & 2029

Figure 34. World Li-ion Battery for Energy Storage Systems (ESS) Production Value Market Share by Type in 2022

Figure 35. NCx

Figure 36. LFP

Figure 37. World Li-ion Battery for Energy Storage Systems (ESS) Production Market Share by Type (2018-2029)

Figure 38. World Li-ion Battery for Energy Storage Systems (ESS) Production Value Market Share by Type (2018-2029)

Figure 39. World Li-ion Battery for Energy Storage Systems (ESS) Average Price by Type (2018-2029) & (US\$/KWh)

Figure 40. World Li-ion Battery for Energy Storage Systems (ESS) Production Value by

Application, (USD Million), 2018 & 2022 & 2029

Figure 41. World Li-ion Battery for Energy Storage Systems (ESS) Production Value Market Share by Application in 2022

Figure 42. Power Grid

Figure 43. Commercial & Industrial

Figure 44. Residential

Figure 45. Telecommunication & UPS

Figure 46. Portable Energy Storage

Figure 47. World Li-ion Battery for Energy Storage Systems (ESS) Production Market Share by Application (2018-2029)

Figure 48. World Li-ion Battery for Energy Storage Systems (ESS) Production Value Market Share by Application (2018-2029)

Figure 49. World Li-ion Battery for Energy Storage Systems (ESS) Average Price by Application (2018-2029) & (US\$/KWh)

Figure 50. Li-ion Battery for Energy Storage Systems (ESS) Industry Chain

Figure 51. Li-ion Battery for Energy Storage Systems (ESS) Procurement Model

Figure 52. Li-ion Battery for Energy Storage Systems (ESS) Sales Model

Figure 53. Li-ion Battery for Energy Storage Systems (ESS) Sales Channels, Direct Sales, and Distribution

Figure 54. Methodology

Figure 55. Research Process and Data Source

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