

# Global Residential Energy Storage Lithium-ion Battery Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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# **Abstracts**

According to our (Global Info Research) latest study, the global Residential Energy Storage Lithium-ion Battery market size was valued at USD 2572.4 million in 2023 and is forecast to a readjusted size of USD 91440 million by 2030 with a CAGR of 66.5% during review period.

A BESS is an energy storage system (ESS) that captures energy from different sources, accumulates this energy, and stores it in rechargeable batteries for later use. Residential Battery Energy Storage Systems (BESS) is a home electricity storage product designed to store energy from solar or the grid which helps all households use energy more efficiently.

Global key players of Residential Energy Storage Lithium-ion Battery include Tesla, Pylontech, BYD, Huawei, Alpha ESS, etc. The top five players hold a share over 57%.

The Global Info Research report includes an overview of the development of the Residential Energy Storage Lithium-ion Battery industry chain, the market status of Below 10kWh (LFP Battery, Ternary Lithium Battery), Above 10kWh (LFP Battery, Ternary Lithium Battery), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Residential Energy Storage Lithium-ion Battery.

Regionally, the report analyzes the Residential Energy Storage Lithium-ion Battery markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Residential Energy Storage Lithium-ion Battery



market, with robust domestic demand, supportive policies, and a strong manufacturing base.

# Key Features:

The report presents comprehensive understanding of the Residential Energy Storage Lithium-ion Battery market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Residential Energy Storage Lithium-ion Battery industry.

The report involves analyzing the market at a macro level:

Market Sizing and Segmentation: Report collect data on the overall market size, including the sales quantity (MWh), revenue generated, and market share of different by Battery Type (e.g., LFP Battery, Ternary Lithium Battery).

Industry Analysis: Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Residential Energy Storage Lithium-ion Battery market.

Regional Analysis: The report involves examining the Residential Energy Storage Lithium-ion Battery market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

Market Projections: Report covers the gathered data and analysis to make future projections and forecasts for the Residential Energy Storage Lithium-ion Battery market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Residential Energy Storage Lithium-ion Battery:

Company Analysis: Report covers individual Residential Energy Storage Lithium-ion Battery manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios,



partnerships, and strategies.

Consumer Analysis: Report covers data on consumer behaviour, preferences, and attitudes towards Residential Energy Storage Lithium-ion Battery This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Energy (Below 10kWh, Above 10kWh).

Technology Analysis: Report covers specific technologies relevant to Residential Energy Storage Lithium-ion Battery. It assesses the current state, advancements, and potential future developments in Residential Energy Storage Lithium-ion Battery areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report present insights into the competitive landscape of the Residential Energy Storage Lithium-ion Battery market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

Market Validation: The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

Market Segmentation

Residential Energy Storage Lithium-ion Battery market is split by Battery Type and by Energy. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Battery Type, and by Energy in terms of volume and value.

Market segment by Battery Type

LFP Battery

Ternary Lithium Battery

Others

Market segment by Energy

Below 10kWh



# Above 10kWh

Major players covered		
Tesla		
Pylontech		
BYD		
Huawei		
LG Energy Solution		
Alpha ESS		
Sonnen		
E3/DC		
SENEC		
Enphase Energy		
VARTA		
Sofarsolar		
Great Power Battery		
Growatt		
Gotion High Tech		
Eve Energy		
Sunwoda Electronic		



Samsung SD
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ATL

CATL

SolaX Power

Market segment by region, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Residential Energy Storage Lithium-ion Battery product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Residential Energy Storage Lithium-ion Battery, with price, sales, revenue and global market share of Residential Energy Storage Lithium-ion Battery from 2019 to 2024.

Chapter 3, the Residential Energy Storage Lithium-ion Battery competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Residential Energy Storage Lithium-ion Battery breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.



Chapter 5 and 6, to segment the sales by Battery Type and energy, with sales market share and growth rate by battery type, energy, from 2019 to 2030.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2023.and Residential Energy Storage Lithium-ion Battery market forecast, by regions, battery type and energy, with sales and revenue, from 2025 to 2030.

Chapter 12, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Residential Energy Storage Lithium-ion Battery.

Chapter 14 and 15, to describe Residential Energy Storage Lithium-ion Battery sales channel, distributors, customers, research findings and conclusion.



# **Contents**

#### 1 MARKET OVERVIEW

- 1.1 Product Overview and Scope of Residential Energy Storage Lithium-ion Battery
- 1.2 Market Estimation Caveats and Base Year
- 1.3 Market Analysis by Battery Type
- 1.3.1 Overview: Global Residential Energy Storage Lithium-ion Battery Consumption Value by Battery Type: 2019 Versus 2023 Versus 2030
  - 1.3.2 LFP Battery
  - 1.3.3 Ternary Lithium Battery
  - 1.3.4 Others
- 1.4 Market Analysis by Energy
- 1.4.1 Overview: Global Residential Energy Storage Lithium-ion Battery Consumption Value by Energy: 2019 Versus 2023 Versus 2030
  - 1.4.2 Below 10kWh
  - 1.4.3 Above 10kWh
- 1.5 Global Residential Energy Storage Lithium-ion Battery Market Size & Forecast
- 1.5.1 Global Residential Energy Storage Lithium-ion Battery Consumption Value (2019 & 2023 & 2030)
- 1.5.2 Global Residential Energy Storage Lithium-ion Battery Sales Quantity (2019-2030)
- 1.5.3 Global Residential Energy Storage Lithium-ion Battery Average Price (2019-2030)

#### 2 MANUFACTURERS PROFILES

- 2.1 Tesla
  - 2.1.1 Tesla Details
  - 2.1.2 Tesla Major Business
  - 2.1.3 Tesla Residential Energy Storage Lithium-ion Battery Product and Services
- 2.1.4 Tesla Residential Energy Storage Lithium-ion Battery Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
- 2.1.5 Tesla Recent Developments/Updates
- 2.2 Pylontech
  - 2.2.1 Pylontech Details
  - 2.2.2 Pylontech Major Business
- 2.2.3 Pylontech Residential Energy Storage Lithium-ion Battery Product and Services
- 2.2.4 Pylontech Residential Energy Storage Lithium-ion Battery Sales Quantity,



Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.2.5 Pylontech Recent Developments/Updates

- 2.3 BYD
  - 2.3.1 BYD Details
  - 2.3.2 BYD Major Business
  - 2.3.3 BYD Residential Energy Storage Lithium-ion Battery Product and Services
- 2.3.4 BYD Residential Energy Storage Lithium-ion Battery Sales Quantity, Average

Price, Revenue, Gross Margin and Market Share (2019-2024)

- 2.3.5 BYD Recent Developments/Updates
- 2.4 Huawei
  - 2.4.1 Huawei Details
  - 2.4.2 Huawei Major Business
  - 2.4.3 Huawei Residential Energy Storage Lithium-ion Battery Product and Services
- 2.4.4 Huawei Residential Energy Storage Lithium-ion Battery Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
- 2.4.5 Huawei Recent Developments/Updates
- 2.5 LG Energy Solution
  - 2.5.1 LG Energy Solution Details
  - 2.5.2 LG Energy Solution Major Business
- 2.5.3 LG Energy Solution Residential Energy Storage Lithium-ion Battery Product and Services
- 2.5.4 LG Energy Solution Residential Energy Storage Lithium-ion Battery Sales

Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

- 2.5.5 LG Energy Solution Recent Developments/Updates
- 2.6 Alpha ESS
  - 2.6.1 Alpha ESS Details
  - 2.6.2 Alpha ESS Major Business
  - 2.6.3 Alpha ESS Residential Energy Storage Lithium-ion Battery Product and Services
  - 2.6.4 Alpha ESS Residential Energy Storage Lithium-ion Battery Sales Quantity,

Average Price, Revenue, Gross Margin and Market Share (2019-2024)

- 2.6.5 Alpha ESS Recent Developments/Updates
- 2.7 Sonnen
  - 2.7.1 Sonnen Details
  - 2.7.2 Sonnen Major Business
  - 2.7.3 Sonnen Residential Energy Storage Lithium-ion Battery Product and Services
  - 2.7.4 Sonnen Residential Energy Storage Lithium-ion Battery Sales Quantity, Average
- Price, Revenue, Gross Margin and Market Share (2019-2024)
- 2.7.5 Sonnen Recent Developments/Updates
- 2.8 E3/DC



- 2.8.1 E3/DC Details
- 2.8.2 E3/DC Major Business
- 2.8.3 E3/DC Residential Energy Storage Lithium-ion Battery Product and Services
- 2.8.4 E3/DC Residential Energy Storage Lithium-ion Battery Sales Quantity, Average

Price, Revenue, Gross Margin and Market Share (2019-2024)

- 2.8.5 E3/DC Recent Developments/Updates
- 2.9 SENEC
  - 2.9.1 SENEC Details
  - 2.9.2 SENEC Major Business
  - 2.9.3 SENEC Residential Energy Storage Lithium-ion Battery Product and Services
- 2.9.4 SENEC Residential Energy Storage Lithium-ion Battery Sales Quantity, Average

Price, Revenue, Gross Margin and Market Share (2019-2024)

- 2.9.5 SENEC Recent Developments/Updates
- 2.10 Enphase Energy
  - 2.10.1 Enphase Energy Details
  - 2.10.2 Enphase Energy Major Business
- 2.10.3 Enphase Energy Residential Energy Storage Lithium-ion Battery Product and Services
- 2.10.4 Enphase Energy Residential Energy Storage Lithium-ion Battery Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
  - 2.10.5 Enphase Energy Recent Developments/Updates
- **2.11 VARTA** 
  - 2.11.1 VARTA Details
  - 2.11.2 VARTA Major Business
  - 2.11.3 VARTA Residential Energy Storage Lithium-ion Battery Product and Services
  - 2.11.4 VARTA Residential Energy Storage Lithium-ion Battery Sales Quantity,

Average Price, Revenue, Gross Margin and Market Share (2019-2024)

- 2.11.5 VARTA Recent Developments/Updates
- 2.12 Sofarsolar
  - 2.12.1 Sofarsolar Details
  - 2.12.2 Sofarsolar Major Business
- 2.12.3 Sofarsolar Residential Energy Storage Lithium-ion Battery Product and Services
- 2.12.4 Sofarsolar Residential Energy Storage Lithium-ion Battery Sales Quantity,

Average Price, Revenue, Gross Margin and Market Share (2019-2024)

- 2.12.5 Sofarsolar Recent Developments/Updates
- 2.13 Great Power Battery
  - 2.13.1 Great Power Battery Details
  - 2.13.2 Great Power Battery Major Business



- 2.13.3 Great Power Battery Residential Energy Storage Lithium-ion Battery Product and Services
- 2.13.4 Great Power Battery Residential Energy Storage Lithium-ion Battery Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
  - 2.13.5 Great Power Battery Recent Developments/Updates
- 2.14 Growatt
  - 2.14.1 Growatt Details
  - 2.14.2 Growatt Major Business
  - 2.14.3 Growatt Residential Energy Storage Lithium-ion Battery Product and Services
- 2.14.4 Growatt Residential Energy Storage Lithium-ion Battery Sales Quantity,

Average Price, Revenue, Gross Margin and Market Share (2019-2024)

- 2.14.5 Growatt Recent Developments/Updates
- 2.15 Gotion High Tech
  - 2.15.1 Gotion High Tech Details
  - 2.15.2 Gotion High Tech Major Business
- 2.15.3 Gotion High Tech Residential Energy Storage Lithium-ion Battery Product and Services
- 2.15.4 Gotion High Tech Residential Energy Storage Lithium-ion Battery Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
  - 2.15.5 Gotion High Tech Recent Developments/Updates
- 2.16 Eve Energy
  - 2.16.1 Eve Energy Details
  - 2.16.2 Eve Energy Major Business
- 2.16.3 Eve Energy Residential Energy Storage Lithium-ion Battery Product and Services
- 2.16.4 Eve Energy Residential Energy Storage Lithium-ion Battery Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
  - 2.16.5 Eve Energy Recent Developments/Updates
- 2.17 Sunwoda Electronic
  - 2.17.1 Sunwoda Electronic Details
  - 2.17.2 Sunwoda Electronic Major Business
- 2.17.3 Sunwoda Electronic Residential Energy Storage Lithium-ion Battery Product and Services
- 2.17.4 Sunwoda Electronic Residential Energy Storage Lithium-ion Battery Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
  - 2.17.5 Sunwoda Electronic Recent Developments/Updates
- 2.18 Samsung SDI
  - 2.18.1 Samsung SDI Details
  - 2.18.2 Samsung SDI Major Business



- 2.18.3 Samsung SDI Residential Energy Storage Lithium-ion Battery Product and Services
- 2.18.4 Samsung SDI Residential Energy Storage Lithium-ion Battery Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
- 2.18.5 Samsung SDI Recent Developments/Updates
- 2.19 ATL
  - 2.19.1 ATL Details
  - 2.19.2 ATL Major Business
  - 2.19.3 ATL Residential Energy Storage Lithium-ion Battery Product and Services
- 2.19.4 ATL Residential Energy Storage Lithium-ion Battery Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
  - 2.19.5 ATL Recent Developments/Updates
- 2.20 CATL
  - 2.20.1 CATL Details
  - 2.20.2 CATL Major Business
  - 2.20.3 CATL Residential Energy Storage Lithium-ion Battery Product and Services
- 2.20.4 CATL Residential Energy Storage Lithium-ion Battery Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
- 2.20.5 CATL Recent Developments/Updates
- 2.21 SolaX Power
  - 2.21.1 SolaX Power Details
  - 2.21.2 SolaX Power Major Business
- 2.21.3 SolaX Power Residential Energy Storage Lithium-ion Battery Product and Services
- 2.21.4 SolaX Power Residential Energy Storage Lithium-ion Battery Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
  - 2.21.5 SolaX Power Recent Developments/Updates

# 3 COMPETITIVE ENVIRONMENT: RESIDENTIAL ENERGY STORAGE LITHIUM-ION BATTERY BY MANUFACTURER

- 3.1 Global Residential Energy Storage Lithium-ion Battery Sales Quantity by Manufacturer (2019-2024)
- 3.2 Global Residential Energy Storage Lithium-ion Battery Revenue by Manufacturer (2019-2024)
- 3.3 Global Residential Energy Storage Lithium-ion Battery Average Price by Manufacturer (2019-2024)
- 3.4 Market Share Analysis (2023)
- 3.4.1 Producer Shipments of Residential Energy Storage Lithium-ion Battery by



Manufacturer Revenue (\$MM) and Market Share (%): 2023

- 3.4.2 Top 3 Residential Energy Storage Lithium-ion Battery Manufacturer Market Share in 2023
- 3.4.2 Top 6 Residential Energy Storage Lithium-ion Battery Manufacturer Market Share in 2023
- 3.5 Residential Energy Storage Lithium-ion Battery Market: Overall Company Footprint Analysis
- 3.5.1 Residential Energy Storage Lithium-ion Battery Market: Region Footprint
- 3.5.2 Residential Energy Storage Lithium-ion Battery Market: Company Product Type Footprint
- 3.5.3 Residential Energy Storage Lithium-ion Battery Market: Company Product Application Footprint
- 3.6 New Market Entrants and Barriers to Market Entry
- 3.7 Mergers, Acquisition, Agreements, and Collaborations

#### **4 CONSUMPTION ANALYSIS BY REGION**

- 4.1 Global Residential Energy Storage Lithium-ion Battery Market Size by Region
- 4.1.1 Global Residential Energy Storage Lithium-ion Battery Sales Quantity by Region (2019-2030)
- 4.1.2 Global Residential Energy Storage Lithium-ion Battery Consumption Value by Region (2019-2030)
- 4.1.3 Global Residential Energy Storage Lithium-ion Battery Average Price by Region (2019-2030)
- 4.2 North America Residential Energy Storage Lithium-ion Battery Consumption Value (2019-2030)
- 4.3 Europe Residential Energy Storage Lithium-ion Battery Consumption Value (2019-2030)
- 4.4 Asia-Pacific Residential Energy Storage Lithium-ion Battery Consumption Value (2019-2030)
- 4.5 South America Residential Energy Storage Lithium-ion Battery Consumption Value (2019-2030)
- 4.6 Middle East and Africa Residential Energy Storage Lithium-ion Battery Consumption Value (2019-2030)

#### **5 MARKET SEGMENT BY BATTERY TYPE**

5.1 Global Residential Energy Storage Lithium-ion Battery Sales Quantity by Battery Type (2019-2030)



- 5.2 Global Residential Energy Storage Lithium-ion Battery Consumption Value by Battery Type (2019-2030)
- 5.3 Global Residential Energy Storage Lithium-ion Battery Average Price by Battery Type (2019-2030)

#### **6 MARKET SEGMENT BY ENERGY**

- 6.1 Global Residential Energy Storage Lithium-ion Battery Sales Quantity by Energy (2019-2030)
- 6.2 Global Residential Energy Storage Lithium-ion Battery Consumption Value by Energy (2019-2030)
- 6.3 Global Residential Energy Storage Lithium-ion Battery Average Price by Energy (2019-2030)

#### 7 NORTH AMERICA

- 7.1 North America Residential Energy Storage Lithium-ion Battery Sales Quantity by Battery Type (2019-2030)
- 7.2 North America Residential Energy Storage Lithium-ion Battery Sales Quantity by Energy (2019-2030)
- 7.3 North America Residential Energy Storage Lithium-ion Battery Market Size by Country
- 7.3.1 North America Residential Energy Storage Lithium-ion Battery Sales Quantity by Country (2019-2030)
- 7.3.2 North America Residential Energy Storage Lithium-ion Battery Consumption Value by Country (2019-2030)
- 7.3.3 United States Market Size and Forecast (2019-2030)
- 7.3.4 Canada Market Size and Forecast (2019-2030)
- 7.3.5 Mexico Market Size and Forecast (2019-2030)

#### **8 EUROPE**

- 8.1 Europe Residential Energy Storage Lithium-ion Battery Sales Quantity by Battery Type (2019-2030)
- 8.2 Europe Residential Energy Storage Lithium-ion Battery Sales Quantity by Energy (2019-2030)
- 8.3 Europe Residential Energy Storage Lithium-ion Battery Market Size by Country 8.3.1 Europe Residential Energy Storage Lithium-ion Battery Sales Quantity by Country (2019-2030)



- 8.3.2 Europe Residential Energy Storage Lithium-ion Battery Consumption Value by Country (2019-2030)
  - 8.3.3 Germany Market Size and Forecast (2019-2030)
- 8.3.4 France Market Size and Forecast (2019-2030)
- 8.3.5 United Kingdom Market Size and Forecast (2019-2030)
- 8.3.6 Russia Market Size and Forecast (2019-2030)
- 8.3.7 Italy Market Size and Forecast (2019-2030)

#### 9 ASIA-PACIFIC

- 9.1 Asia-Pacific Residential Energy Storage Lithium-ion Battery Sales Quantity by Battery Type (2019-2030)
- 9.2 Asia-Pacific Residential Energy Storage Lithium-ion Battery Sales Quantity by Energy (2019-2030)
- 9.3 Asia-Pacific Residential Energy Storage Lithium-ion Battery Market Size by Region
- 9.3.1 Asia-Pacific Residential Energy Storage Lithium-ion Battery Sales Quantity by Region (2019-2030)
- 9.3.2 Asia-Pacific Residential Energy Storage Lithium-ion Battery Consumption Value by Region (2019-2030)
  - 9.3.3 China Market Size and Forecast (2019-2030)
  - 9.3.4 Japan Market Size and Forecast (2019-2030)
  - 9.3.5 Korea Market Size and Forecast (2019-2030)
  - 9.3.6 India Market Size and Forecast (2019-2030)
  - 9.3.7 Southeast Asia Market Size and Forecast (2019-2030)
  - 9.3.8 Australia Market Size and Forecast (2019-2030)

# **10 SOUTH AMERICA**

- 10.1 South America Residential Energy Storage Lithium-ion Battery Sales Quantity by Battery Type (2019-2030)
- 10.2 South America Residential Energy Storage Lithium-ion Battery Sales Quantity by Energy (2019-2030)
- 10.3 South America Residential Energy Storage Lithium-ion Battery Market Size by Country
- 10.3.1 South America Residential Energy Storage Lithium-ion Battery Sales Quantity by Country (2019-2030)
- 10.3.2 South America Residential Energy Storage Lithium-ion Battery Consumption Value by Country (2019-2030)
  - 10.3.3 Brazil Market Size and Forecast (2019-2030)



# 10.3.4 Argentina Market Size and Forecast (2019-2030)

### 11 MIDDLE EAST & AFRICA

- 11.1 Middle East & Africa Residential Energy Storage Lithium-ion Battery Sales Quantity by Battery Type (2019-2030)
- 11.2 Middle East & Africa Residential Energy Storage Lithium-ion Battery Sales Quantity by Energy (2019-2030)
- 11.3 Middle East & Africa Residential Energy Storage Lithium-ion Battery Market Size by Country
- 11.3.1 Middle East & Africa Residential Energy Storage Lithium-ion Battery Sales Quantity by Country (2019-2030)
- 11.3.2 Middle East & Africa Residential Energy Storage Lithium-ion Battery Consumption Value by Country (2019-2030)
  - 11.3.3 Turkey Market Size and Forecast (2019-2030)
  - 11.3.4 Egypt Market Size and Forecast (2019-2030)
  - 11.3.5 Saudi Arabia Market Size and Forecast (2019-2030)
  - 11.3.6 South Africa Market Size and Forecast (2019-2030)

# 12 MARKET DYNAMICS

- 12.1 Residential Energy Storage Lithium-ion Battery Market Drivers
- 12.2 Residential Energy Storage Lithium-ion Battery Market Restraints
- 12.3 Residential Energy Storage Lithium-ion Battery Trends Analysis
- 12.4 Porters Five Forces Analysis
  - 12.4.1 Threat of New Entrants
  - 12.4.2 Bargaining Power of Suppliers
  - 12.4.3 Bargaining Power of Buyers
  - 12.4.4 Threat of Substitutes
- 12.4.5 Competitive Rivalry

#### 13 RAW MATERIAL AND INDUSTRY CHAIN

- 13.1 Raw Material of Residential Energy Storage Lithium-ion Battery and Key Manufacturers
- 13.2 Manufacturing Costs Percentage of Residential Energy Storage Lithium-ion Battery
- 13.3 Residential Energy Storage Lithium-ion Battery Production Process
- 13.4 Residential Energy Storage Lithium-ion Battery Industrial Chain



# 14 SHIPMENTS BY DISTRIBUTION CHANNEL

- 14.1 Sales Channel
  - 14.1.1 Direct to End-User
  - 14.1.2 Distributors
- 14.2 Residential Energy Storage Lithium-ion Battery Typical Distributors
- 14.3 Residential Energy Storage Lithium-ion Battery Typical Customers

# 15 RESEARCH FINDINGS AND CONCLUSION

# **16 APPENDIX**

- 16.1 Methodology
- 16.2 Research Process and Data Source
- 16.3 Disclaimer



# **List Of Tables**

#### LIST OF TABLES

- Table 1. Global Residential Energy Storage Lithium-ion Battery Consumption Value by Battery Type, (USD Million), 2019 & 2023 & 2030
- Table 2. Global Residential Energy Storage Lithium-ion Battery Consumption Value by Energy, (USD Million), 2019 & 2023 & 2030
- Table 3. Tesla Basic Information, Manufacturing Base and Competitors
- Table 4. Tesla Major Business
- Table 5. Tesla Residential Energy Storage Lithium-ion Battery Product and Services
- Table 6. Tesla Residential Energy Storage Lithium-ion Battery Sales Quantity (MWh), Average Price (US\$/KWh), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 7. Tesla Recent Developments/Updates
- Table 8. Pylontech Basic Information, Manufacturing Base and Competitors
- Table 9. Pylontech Major Business
- Table 10. Pylontech Residential Energy Storage Lithium-ion Battery Product and Services
- Table 11. Pylontech Residential Energy Storage Lithium-ion Battery Sales Quantity (MWh), Average Price (US\$/KWh), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 12. Pylontech Recent Developments/Updates
- Table 13. BYD Basic Information, Manufacturing Base and Competitors
- Table 14. BYD Major Business
- Table 15. BYD Residential Energy Storage Lithium-ion Battery Product and Services
- Table 16. BYD Residential Energy Storage Lithium-ion Battery Sales Quantity (MWh),
- Average Price (US\$/KWh), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 17. BYD Recent Developments/Updates
- Table 18. Huawei Basic Information, Manufacturing Base and Competitors
- Table 19. Huawei Major Business
- Table 20. Huawei Residential Energy Storage Lithium-ion Battery Product and Services
- Table 21. Huawei Residential Energy Storage Lithium-ion Battery Sales Quantity
- (MWh), Average Price (US\$/KWh), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 22. Huawei Recent Developments/Updates
- Table 23. LG Energy Solution Basic Information, Manufacturing Base and Competitors
- Table 24. LG Energy Solution Major Business



- Table 25. LG Energy Solution Residential Energy Storage Lithium-ion Battery Product and Services
- Table 26. LG Energy Solution Residential Energy Storage Lithium-ion Battery Sales Quantity (MWh), Average Price (US\$/KWh), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 27. LG Energy Solution Recent Developments/Updates
- Table 28. Alpha ESS Basic Information, Manufacturing Base and Competitors
- Table 29. Alpha ESS Major Business
- Table 30. Alpha ESS Residential Energy Storage Lithium-ion Battery Product and Services
- Table 31. Alpha ESS Residential Energy Storage Lithium-ion Battery Sales Quantity (MWh), Average Price (US\$/KWh), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 32. Alpha ESS Recent Developments/Updates
- Table 33. Sonnen Basic Information, Manufacturing Base and Competitors
- Table 34. Sonnen Major Business
- Table 35. Sonnen Residential Energy Storage Lithium-ion Battery Product and Services
- Table 36. Sonnen Residential Energy Storage Lithium-ion Battery Sales Quantity
- (MWh), Average Price (US\$/KWh), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 37. Sonnen Recent Developments/Updates
- Table 38. E3/DC Basic Information, Manufacturing Base and Competitors
- Table 39. E3/DC Major Business
- Table 40. E3/DC Residential Energy Storage Lithium-ion Battery Product and Services
- Table 41. E3/DC Residential Energy Storage Lithium-ion Battery Sales Quantity (MWh),
- Average Price (US\$/KWh), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 42. E3/DC Recent Developments/Updates
- Table 43. SENEC Basic Information, Manufacturing Base and Competitors
- Table 44. SENEC Major Business
- Table 45. SENEC Residential Energy Storage Lithium-ion Battery Product and Services
- Table 46. SENEC Residential Energy Storage Lithium-ion Battery Sales Quantity
- (MWh), Average Price (US\$/KWh), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 47. SENEC Recent Developments/Updates
- Table 48. Enphase Energy Basic Information, Manufacturing Base and Competitors
- Table 49. Enphase Energy Major Business
- Table 50. Enphase Energy Residential Energy Storage Lithium-ion Battery Product and Services



- Table 51. Enphase Energy Residential Energy Storage Lithium-ion Battery Sales Quantity (MWh), Average Price (US\$/KWh), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 52. Enphase Energy Recent Developments/Updates
- Table 53. VARTA Basic Information, Manufacturing Base and Competitors
- Table 54. VARTA Major Business
- Table 55. VARTA Residential Energy Storage Lithium-ion Battery Product and Services
- Table 56. VARTA Residential Energy Storage Lithium-ion Battery Sales Quantity
- (MWh), Average Price (US\$/KWh), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 57. VARTA Recent Developments/Updates
- Table 58. Sofarsolar Basic Information, Manufacturing Base and Competitors
- Table 59. Sofarsolar Major Business
- Table 60. Sofarsolar Residential Energy Storage Lithium-ion Battery Product and Services
- Table 61. Sofarsolar Residential Energy Storage Lithium-ion Battery Sales Quantity (MWh), Average Price (US\$/KWh), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 62. Sofarsolar Recent Developments/Updates
- Table 63. Great Power Battery Basic Information, Manufacturing Base and Competitors
- Table 64. Great Power Battery Major Business
- Table 65. Great Power Battery Residential Energy Storage Lithium-ion Battery Product and Services
- Table 66. Great Power Battery Residential Energy Storage Lithium-ion Battery Sales Quantity (MWh), Average Price (US\$/KWh), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 67. Great Power Battery Recent Developments/Updates
- Table 68. Growatt Basic Information, Manufacturing Base and Competitors
- Table 69. Growatt Major Business
- Table 70. Growatt Residential Energy Storage Lithium-ion Battery Product and Services
- Table 71. Growatt Residential Energy Storage Lithium-ion Battery Sales Quantity
- (MWh), Average Price (US\$/KWh), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 72. Growatt Recent Developments/Updates
- Table 73. Gotion High Tech Basic Information, Manufacturing Base and Competitors
- Table 74. Gotion High Tech Major Business
- Table 75. Gotion High Tech Residential Energy Storage Lithium-ion Battery Product and Services
- Table 76. Gotion High Tech Residential Energy Storage Lithium-ion Battery Sales



Quantity (MWh), Average Price (US\$/KWh), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 77. Gotion High Tech Recent Developments/Updates

Table 78. Eve Energy Basic Information, Manufacturing Base and Competitors

Table 79. Eve Energy Major Business

Table 80. Eve Energy Residential Energy Storage Lithium-ion Battery Product and Services

Table 81. Eve Energy Residential Energy Storage Lithium-ion Battery Sales Quantity (MWh), Average Price (US\$/KWh), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 82. Eve Energy Recent Developments/Updates

Table 83. Sunwoda Electronic Basic Information, Manufacturing Base and Competitors

Table 84. Sunwoda Electronic Major Business

Table 85. Sunwoda Electronic Residential Energy Storage Lithium-ion Battery Product and Services

Table 86. Sunwoda Electronic Residential Energy Storage Lithium-ion Battery Sales Quantity (MWh), Average Price (US\$/KWh), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 87. Sunwoda Electronic Recent Developments/Updates

Table 88. Samsung SDI Basic Information, Manufacturing Base and Competitors

Table 89. Samsung SDI Major Business

Table 90. Samsung SDI Residential Energy Storage Lithium-ion Battery Product and Services

Table 91. Samsung SDI Residential Energy Storage Lithium-ion Battery Sales Quantity (MWh), Average Price (US\$/KWh), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 92. Samsung SDI Recent Developments/Updates

Table 93. ATL Basic Information, Manufacturing Base and Competitors

Table 94. ATL Major Business

Table 95. ATL Residential Energy Storage Lithium-ion Battery Product and Services

Table 96. ATL Residential Energy Storage Lithium-ion Battery Sales Quantity (MWh),

Average Price (US\$/KWh), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 97. ATL Recent Developments/Updates

Table 98. CATL Basic Information, Manufacturing Base and Competitors

Table 99. CATL Major Business

Table 100. CATL Residential Energy Storage Lithium-ion Battery Product and Services

Table 101. CATL Residential Energy Storage Lithium-ion Battery Sales Quantity (MWh),

Average Price (US\$/KWh), Revenue (USD Million), Gross Margin and Market Share



(2019-2024)

Table 102. CATL Recent Developments/Updates

Table 103. SolaX Power Basic Information, Manufacturing Base and Competitors

Table 104. SolaX Power Major Business

Table 105. SolaX Power Residential Energy Storage Lithium-ion Battery Product and Services

Table 106. SolaX Power Residential Energy Storage Lithium-ion Battery Sales Quantity (MWh), Average Price (US\$/KWh), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 107. SolaX Power Recent Developments/Updates

Table 108. Global Residential Energy Storage Lithium-ion Battery Sales Quantity by Manufacturer (2019-2024) & (MWh)

Table 109. Global Residential Energy Storage Lithium-ion Battery Revenue by Manufacturer (2019-2024) & (USD Million)

Table 110. Global Residential Energy Storage Lithium-ion Battery Average Price by Manufacturer (2019-2024) & (US\$/KWh)

Table 111. Market Position of Manufacturers in Residential Energy Storage Lithium-ion Battery, (Tier 1, Tier 2, and Tier 3), Based on Consumption Value in 2023

Table 112. Head Office and Residential Energy Storage Lithium-ion Battery Production Site of Key Manufacturer

Table 113. Residential Energy Storage Lithium-ion Battery Market: Company Product Type Footprint

Table 114. Residential Energy Storage Lithium-ion Battery Market: Company Product Application Footprint

Table 115. Residential Energy Storage Lithium-ion Battery New Market Entrants and Barriers to Market Entry

Table 116. Residential Energy Storage Lithium-ion Battery Mergers, Acquisition, Agreements, and Collaborations

Table 117. Global Residential Energy Storage Lithium-ion Battery Sales Quantity by Region (2019-2024) & (MWh)

Table 118. Global Residential Energy Storage Lithium-ion Battery Sales Quantity by Region (2025-2030) & (MWh)

Table 119. Global Residential Energy Storage Lithium-ion Battery Consumption Value by Region (2019-2024) & (USD Million)

Table 120. Global Residential Energy Storage Lithium-ion Battery Consumption Value by Region (2025-2030) & (USD Million)

Table 121. Global Residential Energy Storage Lithium-ion Battery Average Price by Region (2019-2024) & (US\$/KWh)

Table 122. Global Residential Energy Storage Lithium-ion Battery Average Price by



Region (2025-2030) & (US\$/KWh)

Table 123. Global Residential Energy Storage Lithium-ion Battery Sales Quantity by Battery Type (2019-2024) & (MWh)

Table 124. Global Residential Energy Storage Lithium-ion Battery Sales Quantity by Battery Type (2025-2030) & (MWh)

Table 125. Global Residential Energy Storage Lithium-ion Battery Consumption Value by Battery Type (2019-2024) & (USD Million)

Table 126. Global Residential Energy Storage Lithium-ion Battery Consumption Value by Battery Type (2025-2030) & (USD Million)

Table 127. Global Residential Energy Storage Lithium-ion Battery Average Price by Battery Type (2019-2024) & (US\$/KWh)

Table 128. Global Residential Energy Storage Lithium-ion Battery Average Price by Battery Type (2025-2030) & (US\$/KWh)

Table 129. Global Residential Energy Storage Lithium-ion Battery Sales Quantity by Energy (2019-2024) & (MWh)

Table 130. Global Residential Energy Storage Lithium-ion Battery Sales Quantity by Energy (2025-2030) & (MWh)

Table 131. Global Residential Energy Storage Lithium-ion Battery Consumption Value by Energy (2019-2024) & (USD Million)

Table 132. Global Residential Energy Storage Lithium-ion Battery Consumption Value by Energy (2025-2030) & (USD Million)

Table 133. Global Residential Energy Storage Lithium-ion Battery Average Price by Energy (2019-2024) & (US\$/KWh)

Table 134. Global Residential Energy Storage Lithium-ion Battery Average Price by Energy (2025-2030) & (US\$/KWh)

Table 135. North America Residential Energy Storage Lithium-ion Battery Sales Quantity by Battery Type (2019-2024) & (MWh)

Table 136. North America Residential Energy Storage Lithium-ion Battery Sales Quantity by Battery Type (2025-2030) & (MWh)

Table 137. North America Residential Energy Storage Lithium-ion Battery Sales Quantity by Energy (2019-2024) & (MWh)

Table 138. North America Residential Energy Storage Lithium-ion Battery Sales Quantity by Energy (2025-2030) & (MWh)

Table 139. North America Residential Energy Storage Lithium-ion Battery Sales Quantity by Country (2019-2024) & (MWh)

Table 140. North America Residential Energy Storage Lithium-ion Battery Sales Quantity by Country (2025-2030) & (MWh)

Table 141. North America Residential Energy Storage Lithium-ion Battery Consumption Value by Country (2019-2024) & (USD Million)



Table 142. North America Residential Energy Storage Lithium-ion Battery Consumption Value by Country (2025-2030) & (USD Million)

Table 143. Europe Residential Energy Storage Lithium-ion Battery Sales Quantity by Battery Type (2019-2024) & (MWh)

Table 144. Europe Residential Energy Storage Lithium-ion Battery Sales Quantity by Battery Type (2025-2030) & (MWh)

Table 145. Europe Residential Energy Storage Lithium-ion Battery Sales Quantity by Energy (2019-2024) & (MWh)

Table 146. Europe Residential Energy Storage Lithium-ion Battery Sales Quantity by Energy (2025-2030) & (MWh)

Table 147. Europe Residential Energy Storage Lithium-ion Battery Sales Quantity by Country (2019-2024) & (MWh)

Table 148. Europe Residential Energy Storage Lithium-ion Battery Sales Quantity by Country (2025-2030) & (MWh)

Table 149. Europe Residential Energy Storage Lithium-ion Battery Consumption Value by Country (2019-2024) & (USD Million)

Table 150. Europe Residential Energy Storage Lithium-ion Battery Consumption Value by Country (2025-2030) & (USD Million)

Table 151. Asia-Pacific Residential Energy Storage Lithium-ion Battery Sales Quantity by Battery Type (2019-2024) & (MWh)

Table 152. Asia-Pacific Residential Energy Storage Lithium-ion Battery Sales Quantity by Battery Type (2025-2030) & (MWh)

Table 153. Asia-Pacific Residential Energy Storage Lithium-ion Battery Sales Quantity by Energy (2019-2024) & (MWh)

Table 154. Asia-Pacific Residential Energy Storage Lithium-ion Battery Sales Quantity by Energy (2025-2030) & (MWh)

Table 155. Asia-Pacific Residential Energy Storage Lithium-ion Battery Sales Quantity by Region (2019-2024) & (MWh)

Table 156. Asia-Pacific Residential Energy Storage Lithium-ion Battery Sales Quantity by Region (2025-2030) & (MWh)

Table 157. Asia-Pacific Residential Energy Storage Lithium-ion Battery Consumption Value by Region (2019-2024) & (USD Million)

Table 158. Asia-Pacific Residential Energy Storage Lithium-ion Battery Consumption Value by Region (2025-2030) & (USD Million)

Table 159. South America Residential Energy Storage Lithium-ion Battery Sales Quantity by Battery Type (2019-2024) & (MWh)

Table 160. South America Residential Energy Storage Lithium-ion Battery Sales Quantity by Battery Type (2025-2030) & (MWh)

Table 161. South America Residential Energy Storage Lithium-ion Battery Sales



Quantity by Energy (2019-2024) & (MWh)

Table 162. South America Residential Energy Storage Lithium-ion Battery Sales Quantity by Energy (2025-2030) & (MWh)

Table 163. South America Residential Energy Storage Lithium-ion Battery Sales Quantity by Country (2019-2024) & (MWh)

Table 164. South America Residential Energy Storage Lithium-ion Battery Sales Quantity by Country (2025-2030) & (MWh)

Table 165. South America Residential Energy Storage Lithium-ion Battery Consumption Value by Country (2019-2024) & (USD Million)

Table 166. South America Residential Energy Storage Lithium-ion Battery Consumption Value by Country (2025-2030) & (USD Million)

Table 167. Middle East & Africa Residential Energy Storage Lithium-ion Battery Sales Quantity by Battery Type (2019-2024) & (MWh)

Table 168. Middle East & Africa Residential Energy Storage Lithium-ion Battery Sales Quantity by Battery Type (2025-2030) & (MWh)

Table 169. Middle East & Africa Residential Energy Storage Lithium-ion Battery Sales Quantity by Energy (2019-2024) & (MWh)

Table 170. Middle East & Africa Residential Energy Storage Lithium-ion Battery Sales Quantity by Energy (2025-2030) & (MWh)

Table 171. Middle East & Africa Residential Energy Storage Lithium-ion Battery Sales Quantity by Region (2019-2024) & (MWh)

Table 172. Middle East & Africa Residential Energy Storage Lithium-ion Battery Sales Quantity by Region (2025-2030) & (MWh)

Table 173. Middle East & Africa Residential Energy Storage Lithium-ion Battery Consumption Value by Region (2019-2024) & (USD Million)

Table 174. Middle East & Africa Residential Energy Storage Lithium-ion Battery Consumption Value by Region (2025-2030) & (USD Million)

Table 175. Residential Energy Storage Lithium-ion Battery Raw Material

Table 176. Key Manufacturers of Residential Energy Storage Lithium-ion Battery Raw Materials

Table 177. Residential Energy Storage Lithium-ion Battery Typical Distributors

Table 178. Residential Energy Storage Lithium-ion Battery Typical Customers



# **List Of Figures**

#### LIST OF FIGURES

Figure 1. Residential Energy Storage Lithium-ion Battery Picture

Figure 2. Global Residential Energy Storage Lithium-ion Battery Consumption Value by Battery Type, (USD Million), 2019 & 2023 & 2030

Figure 3. Global Residential Energy Storage Lithium-ion Battery Consumption Value Market Share by Battery Type in 2023

Figure 4. LFP Battery Examples

Figure 5. Ternary Lithium Battery Examples

Figure 6. Others Examples

Figure 7. Global Residential Energy Storage Lithium-ion Battery Consumption Value by Energy, (USD Million), 2019 & 2023 & 2030

Figure 8. Global Residential Energy Storage Lithium-ion Battery Consumption Value Market Share by Energy in 2023

Figure 9. Below 10kWh Examples

Figure 10. Above 10kWh Examples

Figure 11. Global Residential Energy Storage Lithium-ion Battery Consumption Value, (USD Million): 2019 & 2023 & 2030

Figure 12. Global Residential Energy Storage Lithium-ion Battery Consumption Value and Forecast (2019-2030) & (USD Million)

Figure 13. Global Residential Energy Storage Lithium-ion Battery Sales Quantity (2019-2030) & (MWh)

Figure 14. Global Residential Energy Storage Lithium-ion Battery Average Price (2019-2030) & (US\$/KWh)

Figure 15. Global Residential Energy Storage Lithium-ion Battery Sales Quantity Market Share by Manufacturer in 2023

Figure 16. Global Residential Energy Storage Lithium-ion Battery Consumption Value Market Share by Manufacturer in 2023

Figure 17. Producer Shipments of Residential Energy Storage Lithium-ion Battery by Manufacturer Sales Quantity (\$MM) and Market Share (%): 2023

Figure 18. Top 3 Residential Energy Storage Lithium-ion Battery Manufacturer (Consumption Value) Market Share in 2023

Figure 19. Top 6 Residential Energy Storage Lithium-ion Battery Manufacturer (Consumption Value) Market Share in 2023

Figure 20. Global Residential Energy Storage Lithium-ion Battery Sales Quantity Market Share by Region (2019-2030)

Figure 21. Global Residential Energy Storage Lithium-ion Battery Consumption Value



Market Share by Region (2019-2030)

Figure 22. North America Residential Energy Storage Lithium-ion Battery Consumption Value (2019-2030) & (USD Million)

Figure 23. Europe Residential Energy Storage Lithium-ion Battery Consumption Value (2019-2030) & (USD Million)

Figure 24. Asia-Pacific Residential Energy Storage Lithium-ion Battery Consumption Value (2019-2030) & (USD Million)

Figure 25. South America Residential Energy Storage Lithium-ion Battery Consumption Value (2019-2030) & (USD Million)

Figure 26. Middle East & Africa Residential Energy Storage Lithium-ion Battery Consumption Value (2019-2030) & (USD Million)

Figure 27. Global Residential Energy Storage Lithium-ion Battery Sales Quantity Market Share by Battery Type (2019-2030)

Figure 28. Global Residential Energy Storage Lithium-ion Battery Consumption Value Market Share by Battery Type (2019-2030)

Figure 29. Global Residential Energy Storage Lithium-ion Battery Average Price by Battery Type (2019-2030) & (US\$/KWh)

Figure 30. Global Residential Energy Storage Lithium-ion Battery Sales Quantity Market Share by Energy (2019-2030)

Figure 31. Global Residential Energy Storage Lithium-ion Battery Consumption Value Market Share by Energy (2019-2030)

Figure 32. Global Residential Energy Storage Lithium-ion Battery Average Price by Energy (2019-2030) & (US\$/KWh)

Figure 33. North America Residential Energy Storage Lithium-ion Battery Sales Quantity Market Share by Battery Type (2019-2030)

Figure 34. North America Residential Energy Storage Lithium-ion Battery Sales Quantity Market Share by Energy (2019-2030)

Figure 35. North America Residential Energy Storage Lithium-ion Battery Sales Quantity Market Share by Country (2019-2030)

Figure 36. North America Residential Energy Storage Lithium-ion Battery Consumption Value Market Share by Country (2019-2030)

Figure 37. United States Residential Energy Storage Lithium-ion Battery Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 38. Canada Residential Energy Storage Lithium-ion Battery Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 39. Mexico Residential Energy Storage Lithium-ion Battery Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 40. Europe Residential Energy Storage Lithium-ion Battery Sales Quantity Market Share by Battery Type (2019-2030)



Figure 41. Europe Residential Energy Storage Lithium-ion Battery Sales Quantity Market Share by Energy (2019-2030)

Figure 42. Europe Residential Energy Storage Lithium-ion Battery Sales Quantity Market Share by Country (2019-2030)

Figure 43. Europe Residential Energy Storage Lithium-ion Battery Consumption Value Market Share by Country (2019-2030)

Figure 44. Germany Residential Energy Storage Lithium-ion Battery Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 45. France Residential Energy Storage Lithium-ion Battery Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 46. United Kingdom Residential Energy Storage Lithium-ion Battery

Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 47. Russia Residential Energy Storage Lithium-ion Battery Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 48. Italy Residential Energy Storage Lithium-ion Battery Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 49. Asia-Pacific Residential Energy Storage Lithium-ion Battery Sales Quantity Market Share by Battery Type (2019-2030)

Figure 50. Asia-Pacific Residential Energy Storage Lithium-ion Battery Sales Quantity Market Share by Energy (2019-2030)

Figure 51. Asia-Pacific Residential Energy Storage Lithium-ion Battery Sales Quantity Market Share by Region (2019-2030)

Figure 52. Asia-Pacific Residential Energy Storage Lithium-ion Battery Consumption Value Market Share by Region (2019-2030)

Figure 53. China Residential Energy Storage Lithium-ion Battery Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 54. Japan Residential Energy Storage Lithium-ion Battery Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 55. Korea Residential Energy Storage Lithium-ion Battery Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 56. India Residential Energy Storage Lithium-ion Battery Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 57. Southeast Asia Residential Energy Storage Lithium-ion Battery Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 58. Australia Residential Energy Storage Lithium-ion Battery Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 59. South America Residential Energy Storage Lithium-ion Battery Sales Quantity Market Share by Battery Type (2019-2030)

Figure 60. South America Residential Energy Storage Lithium-ion Battery Sales



Quantity Market Share by Energy (2019-2030)

Figure 61. South America Residential Energy Storage Lithium-ion Battery Sales Quantity Market Share by Country (2019-2030)

Figure 62. South America Residential Energy Storage Lithium-ion Battery Consumption Value Market Share by Country (2019-2030)

Figure 63. Brazil Residential Energy Storage Lithium-ion Battery Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 64. Argentina Residential Energy Storage Lithium-ion Battery Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 65. Middle East & Africa Residential Energy Storage Lithium-ion Battery Sales Quantity Market Share by Battery Type (2019-2030)

Figure 66. Middle East & Africa Residential Energy Storage Lithium-ion Battery Sales Quantity Market Share by Energy (2019-2030)

Figure 67. Middle East & Africa Residential Energy Storage Lithium-ion Battery Sales Quantity Market Share by Region (2019-2030)

Figure 68. Middle East & Africa Residential Energy Storage Lithium-ion Battery Consumption Value Market Share by Region (2019-2030)

Figure 69. Turkey Residential Energy Storage Lithium-ion Battery Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 70. Egypt Residential Energy Storage Lithium-ion Battery Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 71. Saudi Arabia Residential Energy Storage Lithium-ion Battery Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 72. South Africa Residential Energy Storage Lithium-ion Battery Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 73. Residential Energy Storage Lithium-ion Battery Market Drivers

Figure 74. Residential Energy Storage Lithium-ion Battery Market Restraints

Figure 75. Residential Energy Storage Lithium-ion Battery Market Trends

Figure 76. Porters Five Forces Analysis

Figure 77. Manufacturing Cost Structure Analysis of Residential Energy Storage Lithiumion Battery in 2023

Figure 78. Manufacturing Process Analysis of Residential Energy Storage Lithium-ion Battery

Figure 79. Residential Energy Storage Lithium-ion Battery Industrial Chain

Figure 80. Sales Quantity Channel: Direct to End-User vs Distributors

Figure 81. Direct Channel Pros & Cons

Figure 82. Indirect Channel Pros & Cons

Figure 83. Methodology

Figure 84. Research Process and Data Source



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