

Global Mechanical Energy Storage System Market Growth 2025-2031

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Abstracts

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The global Mechanical Energy Storage System market size is predicted to grow from US\$ million in 2025 to US\$ million in 2031; it is expected to grow at a CAGR of %from 2025 to 2031.

Due to the rapid development of the wind power and photovoltaic industry, as well as the increasing awareness of environmental protection in various countries, the energy storage industry is becoming one of the key technologies, which is used in many countries to advance the carbon neutral target process today. The United States, China and Japan occupied the leading position in the installed capacity of energy storage projects, among which the United States is the world's largest energy storage market. The European Union established the European Battery Alliance (EBA) in 2017, aiming to escape the EU's dependence on Asian manufacturers in the battery storage field. According to Data Europa's statistics, the cumulative installed capacity has reached 48.38GW in 2020. At present, pumped storage accounts for 94% of the energy storage market in Europe, with Spain and Germany having the largest capacity. According to BNEF data, electrochemical energy storage in the United States added 3.97GW / 10.88 GWh in 2021. In terms of power, it accounted for 40% of the global increase. In 2022, the United States passed the IRA, which subsidized independent energy storage for the first time. Under the ITC, new energy storage projects could offset up to 44% of the investment. The effect of the policy has initially appeared, and the energy storage industry in the United States shows an upward trend.

LP Information, Inc. (LPI) ' newest research report, the "Mechanical Energy Storage System Industry Forecast" looks at past sales and reviews total world Mechanical

Energy Storage System sales in 2024, providing a comprehensive analysis by region and market sector of projected Mechanical Energy Storage System sales for 2025 through 2031. With Mechanical Energy Storage System sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Mechanical Energy Storage System industry.

This Insight Report provides a comprehensive analysis of the global Mechanical Energy Storage System landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Mechanical Energy Storage System portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Mechanical Energy Storage System market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Mechanical Energy Storage System and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Mechanical Energy Storage System.

This report presents a comprehensive overview, market shares, and growth opportunities of Mechanical Energy Storage System market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Flywheel

Pumped Hydro

Compressed Air

Segmentation by Application:

UPS

Electricity Grid

Transportation

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

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

Piller

Calnetix Technologies

ABB

POWERTHRU

PUNCH Flybrid

Amber Kinetic

Beijing Qifeng

Bc New Energy

Kinetic Traction Systems

Stornetic

Key Questions Addressed in this Report

What is the 10-year outlook for the global Mechanical Energy Storage System market?

What factors are driving Mechanical Energy Storage System market growth, globally and by region?

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

How do Mechanical Energy Storage System market opportunities vary by end market size?

How does Mechanical Energy Storage System break out by Type, by Application?

Contents

1 SCOPE OF THE REPORT

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

2 EXECUTIVE SUMMARY

- 2.1 World Market Overview
 - 2.1.1 Global Mechanical Energy Storage System Annual Sales 2020-2031
 - 2.1.2 World Current & Future Analysis for Mechanical Energy Storage System by Geographic Region, 2020, 2024 & 2031
 - 2.1.3 World Current & Future Analysis for Mechanical Energy Storage System by Country/Region, 2020, 2024 & 2031
- 2.2 Mechanical Energy Storage System Segment by Type
 - 2.2.1 Flywheel
 - 2.2.2 Pumped Hydro
 - 2.2.3 Compressed Air
- 2.3 Mechanical Energy Storage System Sales by Type
 - 2.3.1 Global Mechanical Energy Storage System Sales Market Share by Type (2020-2025)
 - 2.3.2 Global Mechanical Energy Storage System Revenue and Market Share by Type (2020-2025)
 - 2.3.3 Global Mechanical Energy Storage System Sale Price by Type (2020-2025)
- 2.4 Mechanical Energy Storage System Segment by Application
 - 2.4.1 UPS
 - 2.4.2 Electricity Grid
 - 2.4.3 Transportation
- 2.5 Mechanical Energy Storage System Sales by Application
 - 2.5.1 Global Mechanical Energy Storage System Sale Market Share by Application (2020-2025)
 - 2.5.2 Global Mechanical Energy Storage System Revenue and Market Share by

Application (2020-2025)

2.5.3 Global Mechanical Energy Storage System Sale Price by Application
(2020-2025)

3 GLOBAL BY COMPANY

3.1 Global Mechanical Energy Storage System Breakdown Data by Company

3.1.1 Global Mechanical Energy Storage System Annual Sales by Company
(2020-2025)

3.1.2 Global Mechanical Energy Storage System Sales Market Share by Company
(2020-2025)

3.2 Global Mechanical Energy Storage System Annual Revenue by Company
(2020-2025)

3.2.1 Global Mechanical Energy Storage System Revenue by Company (2020-2025)

3.2.2 Global Mechanical Energy Storage System Revenue Market Share by Company
(2020-2025)

3.3 Global Mechanical Energy Storage System Sale Price by Company

3.4 Key Manufacturers Mechanical Energy Storage System Producing Area Distribution,
Sales Area, Product Type

3.4.1 Key Manufacturers Mechanical Energy Storage System Product Location
Distribution

3.4.2 Players Mechanical Energy Storage System Products Offered

3.5 Market Concentration Rate Analysis

3.5.1 Competition Landscape Analysis

3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2023-2025)

3.6 New Products and Potential Entrants

3.7 Market M&A Activity & Strategy

4 WORLD HISTORIC REVIEW FOR MECHANICAL ENERGY STORAGE SYSTEM BY GEOGRAPHIC REGION

4.1 World Historic Mechanical Energy Storage System Market Size by Geographic
Region (2020-2025)

4.1.1 Global Mechanical Energy Storage System Annual Sales by Geographic Region
(2020-2025)

4.1.2 Global Mechanical Energy Storage System Annual Revenue by Geographic
Region (2020-2025)

4.2 World Historic Mechanical Energy Storage System Market Size by Country/Region
(2020-2025)

4.2.1 Global Mechanical Energy Storage System Annual Sales by Country/Region (2020-2025)

4.2.2 Global Mechanical Energy Storage System Annual Revenue by Country/Region (2020-2025)

4.3 Americas Mechanical Energy Storage System Sales Growth

4.4 APAC Mechanical Energy Storage System Sales Growth

4.5 Europe Mechanical Energy Storage System Sales Growth

4.6 Middle East & Africa Mechanical Energy Storage System Sales Growth

5 AMERICAS

5.1 Americas Mechanical Energy Storage System Sales by Country

5.1.1 Americas Mechanical Energy Storage System Sales by Country (2020-2025)

5.1.2 Americas Mechanical Energy Storage System Revenue by Country (2020-2025)

5.2 Americas Mechanical Energy Storage System Sales by Type (2020-2025)

5.3 Americas Mechanical Energy Storage System Sales by Application (2020-2025)

5.4 United States

5.5 Canada

5.6 Mexico

5.7 Brazil

6 APAC

6.1 APAC Mechanical Energy Storage System Sales by Region

6.1.1 APAC Mechanical Energy Storage System Sales by Region (2020-2025)

6.1.2 APAC Mechanical Energy Storage System Revenue by Region (2020-2025)

6.2 APAC Mechanical Energy Storage System Sales by Type (2020-2025)

6.3 APAC Mechanical Energy Storage System Sales by Application (2020-2025)

6.4 China

6.5 Japan

6.6 South Korea

6.7 Southeast Asia

6.8 India

6.9 Australia

6.10 China Taiwan

7 EUROPE

7.1 Europe Mechanical Energy Storage System by Country

- 7.1.1 Europe Mechanical Energy Storage System Sales by Country (2020-2025)
- 7.1.2 Europe Mechanical Energy Storage System Revenue by Country (2020-2025)
- 7.2 Europe Mechanical Energy Storage System Sales by Type (2020-2025)
- 7.3 Europe Mechanical Energy Storage System Sales by Application (2020-2025)
- 7.4 Germany
- 7.5 France
- 7.6 UK
- 7.7 Italy
- 7.8 Russia

8 MIDDLE EAST & AFRICA

- 8.1 Middle East & Africa Mechanical Energy Storage System by Country
 - 8.1.1 Middle East & Africa Mechanical Energy Storage System Sales by Country (2020-2025)
 - 8.1.2 Middle East & Africa Mechanical Energy Storage System Revenue by Country (2020-2025)
- 8.2 Middle East & Africa Mechanical Energy Storage System Sales by Type (2020-2025)
- 8.3 Middle East & Africa Mechanical Energy Storage System Sales by Application (2020-2025)
- 8.4 Egypt
- 8.5 South Africa
- 8.6 Israel
- 8.7 Turkey
- 8.8 GCC Countries

9 MARKET DRIVERS, CHALLENGES AND TRENDS

- 9.1 Market Drivers & Growth Opportunities
- 9.2 Market Challenges & Risks
- 9.3 Industry Trends

10 MANUFACTURING COST STRUCTURE ANALYSIS

- 10.1 Raw Material and Suppliers
- 10.2 Manufacturing Cost Structure Analysis of Mechanical Energy Storage System
- 10.3 Manufacturing Process Analysis of Mechanical Energy Storage System
- 10.4 Industry Chain Structure of Mechanical Energy Storage System

11 MARKETING, DISTRIBUTORS AND CUSTOMER

11.1 Sales Channel

11.1.1 Direct Channels

11.1.2 Indirect Channels

11.2 Mechanical Energy Storage System Distributors

11.3 Mechanical Energy Storage System Customer

12 WORLD FORECAST REVIEW FOR MECHANICAL ENERGY STORAGE SYSTEM BY GEOGRAPHIC REGION

12.1 Global Mechanical Energy Storage System Market Size Forecast by Region

12.1.1 Global Mechanical Energy Storage System Forecast by Region (2026-2031)

12.1.2 Global Mechanical Energy Storage System Annual Revenue Forecast by Region (2026-2031)

12.2 Americas Forecast by Country (2026-2031)

12.3 APAC Forecast by Region (2026-2031)

12.4 Europe Forecast by Country (2026-2031)

12.5 Middle East & Africa Forecast by Country (2026-2031)

12.6 Global Mechanical Energy Storage System Forecast by Type (2026-2031)

12.7 Global Mechanical Energy Storage System Forecast by Application (2026-2031)

13 KEY PLAYERS ANALYSIS

13.1 Piller

13.1.1 Piller Company Information

13.1.2 Piller Mechanical Energy Storage System Product Portfolios and Specifications

13.1.3 Piller Mechanical Energy Storage System Sales, Revenue, Price and Gross Margin (2020-2025)

13.1.4 Piller Main Business Overview

13.1.5 Piller Latest Developments

13.2 Calnetix Technologies

13.2.1 Calnetix Technologies Company Information

13.2.2 Calnetix Technologies Mechanical Energy Storage System Product Portfolios and Specifications

13.2.3 Calnetix Technologies Mechanical Energy Storage System Sales, Revenue, Price and Gross Margin (2020-2025)

13.2.4 Calnetix Technologies Main Business Overview

13.2.5 Calnetix Technologies Latest Developments

13.3 ABB

13.3.1 ABB Company Information

13.3.2 ABB Mechanical Energy Storage System Product Portfolios and Specifications

13.3.3 ABB Mechanical Energy Storage System Sales, Revenue, Price and Gross Margin (2020-2025)

13.3.4 ABB Main Business Overview

13.3.5 ABB Latest Developments

13.4 POWERTHRU

13.4.1 POWERTHRU Company Information

13.4.2 POWERTHRU Mechanical Energy Storage System Product Portfolios and Specifications

13.4.3 POWERTHRU Mechanical Energy Storage System Sales, Revenue, Price and Gross Margin (2020-2025)

13.4.4 POWERTHRU Main Business Overview

13.4.5 POWERTHRU Latest Developments

13.5 PUNCH Flybrid

13.5.1 PUNCH Flybrid Company Information

13.5.2 PUNCH Flybrid Mechanical Energy Storage System Product Portfolios and Specifications

13.5.3 PUNCH Flybrid Mechanical Energy Storage System Sales, Revenue, Price and Gross Margin (2020-2025)

13.5.4 PUNCH Flybrid Main Business Overview

13.5.5 PUNCH Flybrid Latest Developments

13.6 Amber Kinetic

13.6.1 Amber Kinetic Company Information

13.6.2 Amber Kinetic Mechanical Energy Storage System Product Portfolios and Specifications

13.6.3 Amber Kinetic Mechanical Energy Storage System Sales, Revenue, Price and Gross Margin (2020-2025)

13.6.4 Amber Kinetic Main Business Overview

13.6.5 Amber Kinetic Latest Developments

13.7 Beijing Qifeng

13.7.1 Beijing Qifeng Company Information

13.7.2 Beijing Qifeng Mechanical Energy Storage System Product Portfolios and Specifications

13.7.3 Beijing Qifeng Mechanical Energy Storage System Sales, Revenue, Price and Gross Margin (2020-2025)

13.7.4 Beijing Qifeng Main Business Overview

- 13.7.5 Beijing Qifeng Latest Developments
- 13.8 Bc New Energy
 - 13.8.1 Bc New Energy Company Information
 - 13.8.2 Bc New Energy Mechanical Energy Storage System Product Portfolios and Specifications
 - 13.8.3 Bc New Energy Mechanical Energy Storage System Sales, Revenue, Price and Gross Margin (2020-2025)
 - 13.8.4 Bc New Energy Main Business Overview
 - 13.8.5 Bc New Energy Latest Developments
- 13.9 Kinetic Traction Systems
 - 13.9.1 Kinetic Traction Systems Company Information
 - 13.9.2 Kinetic Traction Systems Mechanical Energy Storage System Product Portfolios and Specifications
 - 13.9.3 Kinetic Traction Systems Mechanical Energy Storage System Sales, Revenue, Price and Gross Margin (2020-2025)
 - 13.9.4 Kinetic Traction Systems Main Business Overview
 - 13.9.5 Kinetic Traction Systems Latest Developments
- 13.10 Stornetic
 - 13.10.1 Stornetic Company Information
 - 13.10.2 Stornetic Mechanical Energy Storage System Product Portfolios and Specifications
 - 13.10.3 Stornetic Mechanical Energy Storage System Sales, Revenue, Price and Gross Margin (2020-2025)
 - 13.10.4 Stornetic Main Business Overview
 - 13.10.5 Stornetic Latest Developments

14 RESEARCH FINDINGS AND CONCLUSION

List Of Tables

LIST OF TABLES

Table 1. Mechanical Energy Storage System Annual Sales CAGR by Geographic Region (2020, 2024 & 2031) & (\$ millions)

Table 2. Mechanical Energy Storage System Annual Sales CAGR by Country/Region (2020, 2024 & 2031) & (\$ millions)

Table 3. Major Players of Flywheel

Table 4. Major Players of Pumped Hydro

Table 5. Major Players of Compressed Air

Table 6. Global Mechanical Energy Storage System Sales by Type (2020-2025) & (K Units)

Table 7. Global Mechanical Energy Storage System Sales Market Share by Type (2020-2025)

Table 8. Global Mechanical Energy Storage System Revenue by Type (2020-2025) & (\$ million)

Table 9. Global Mechanical Energy Storage System Revenue Market Share by Type (2020-2025)

Table 10. Global Mechanical Energy Storage System Sale Price by Type (2020-2025) & (US\$/Unit)

Table 11. Global Mechanical Energy Storage System Sale by Application (2020-2025) & (K Units)

Table 12. Global Mechanical Energy Storage System Sale Market Share by Application (2020-2025)

Table 13. Global Mechanical Energy Storage System Revenue by Application (2020-2025) & (\$ million)

Table 14. Global Mechanical Energy Storage System Revenue Market Share by Application (2020-2025)

Table 15. Global Mechanical Energy Storage System Sale Price by Application (2020-2025) & (US\$/Unit)

Table 16. Global Mechanical Energy Storage System Sales by Company (2020-2025) & (K Units)

Table 17. Global Mechanical Energy Storage System Sales Market Share by Company (2020-2025)

Table 18. Global Mechanical Energy Storage System Revenue by Company (2020-2025) & (\$ millions)

Table 19. Global Mechanical Energy Storage System Revenue Market Share by Company (2020-2025)

Table 20. Global Mechanical Energy Storage System Sale Price by Company (2020-2025) & (US\$/Unit)
Table 21. Key Manufacturers Mechanical Energy Storage System Producing Area Distribution and Sales Area
Table 22. Players Mechanical Energy Storage System Products Offered
Table 23. Mechanical Energy Storage System Concentration Ratio (CR3, CR5 and CR10) & (2023-2025)
Table 24. New Products and Potential Entrants
Table 25. Market M&A Activity & Strategy
Table 26. Global Mechanical Energy Storage System Sales by Geographic Region (2020-2025) & (K Units)
Table 27. Global Mechanical Energy Storage System Sales Market Share Geographic Region (2020-2025)
Table 28. Global Mechanical Energy Storage System Revenue by Geographic Region (2020-2025) & (\$ millions)
Table 29. Global Mechanical Energy Storage System Revenue Market Share by Geographic Region (2020-2025)
Table 30. Global Mechanical Energy Storage System Sales by Country/Region (2020-2025) & (K Units)
Table 31. Global Mechanical Energy Storage System Sales Market Share by Country/Region (2020-2025)
Table 32. Global Mechanical Energy Storage System Revenue by Country/Region (2020-2025) & (\$ millions)
Table 33. Global Mechanical Energy Storage System Revenue Market Share by Country/Region (2020-2025)
Table 34. Americas Mechanical Energy Storage System Sales by Country (2020-2025) & (K Units)
Table 35. Americas Mechanical Energy Storage System Sales Market Share by Country (2020-2025)
Table 36. Americas Mechanical Energy Storage System Revenue by Country (2020-2025) & (\$ millions)
Table 37. Americas Mechanical Energy Storage System Sales by Type (2020-2025) & (K Units)
Table 38. Americas Mechanical Energy Storage System Sales by Application (2020-2025) & (K Units)
Table 39. APAC Mechanical Energy Storage System Sales by Region (2020-2025) & (K Units)
Table 40. APAC Mechanical Energy Storage System Sales Market Share by Region (2020-2025)

Table 41. APAC Mechanical Energy Storage System Revenue by Region (2020-2025) & (\$ millions)

Table 42. APAC Mechanical Energy Storage System Sales by Type (2020-2025) & (K Units)

Table 43. APAC Mechanical Energy Storage System Sales by Application (2020-2025) & (K Units)

Table 44. Europe Mechanical Energy Storage System Sales by Country (2020-2025) & (K Units)

Table 45. Europe Mechanical Energy Storage System Revenue by Country (2020-2025) & (\$ millions)

Table 46. Europe Mechanical Energy Storage System Sales by Type (2020-2025) & (K Units)

Table 47. Europe Mechanical Energy Storage System Sales by Application (2020-2025) & (K Units)

Table 48. Middle East & Africa Mechanical Energy Storage System Sales by Country (2020-2025) & (K Units)

Table 49. Middle East & Africa Mechanical Energy Storage System Revenue Market Share by Country (2020-2025)

Table 50. Middle East & Africa Mechanical Energy Storage System Sales by Type (2020-2025) & (K Units)

Table 51. Middle East & Africa Mechanical Energy Storage System Sales by Application (2020-2025) & (K Units)

Table 52. Key Market Drivers & Growth Opportunities of Mechanical Energy Storage System

Table 53. Key Market Challenges & Risks of Mechanical Energy Storage System

Table 54. Key Industry Trends of Mechanical Energy Storage System

Table 55. Mechanical Energy Storage System Raw Material

Table 56. Key Suppliers of Raw Materials

Table 57. Mechanical Energy Storage System Distributors List

Table 58. Mechanical Energy Storage System Customer List

Table 59. Global Mechanical Energy Storage System Sales Forecast by Region (2026-2031) & (K Units)

Table 60. Global Mechanical Energy Storage System Revenue Forecast by Region (2026-2031) & (\$ millions)

Table 61. Americas Mechanical Energy Storage System Sales Forecast by Country (2026-2031) & (K Units)

Table 62. Americas Mechanical Energy Storage System Annual Revenue Forecast by Country (2026-2031) & (\$ millions)

Table 63. APAC Mechanical Energy Storage System Sales Forecast by Region

(2026-2031) & (K Units)

Table 64. APAC Mechanical Energy Storage System Annual Revenue Forecast by Region (2026-2031) & (\$ millions)

Table 65. Europe Mechanical Energy Storage System Sales Forecast by Country (2026-2031) & (K Units)

Table 66. Europe Mechanical Energy Storage System Revenue Forecast by Country (2026-2031) & (\$ millions)

Table 67. Middle East & Africa Mechanical Energy Storage System Sales Forecast by Country (2026-2031) & (K Units)

Table 68. Middle East & Africa Mechanical Energy Storage System Revenue Forecast by Country (2026-2031) & (\$ millions)

Table 69. Global Mechanical Energy Storage System Sales Forecast by Type (2026-2031) & (K Units)

Table 70. Global Mechanical Energy Storage System Revenue Forecast by Type (2026-2031) & (\$ millions)

Table 71. Global Mechanical Energy Storage System Sales Forecast by Application (2026-2031) & (K Units)

Table 72. Global Mechanical Energy Storage System Revenue Forecast by Application (2026-2031) & (\$ millions)

Table 73. Pillar Basic Information, Mechanical Energy Storage System Manufacturing Base, Sales Area and Its Competitors

Table 74. Pillar Mechanical Energy Storage System Product Portfolios and Specifications

Table 75. Pillar Mechanical Energy Storage System Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2025)

Table 76. Pillar Main Business

Table 77. Pillar Latest Developments

Table 78. Calnetix Technologies Basic Information, Mechanical Energy Storage System Manufacturing Base, Sales Area and Its Competitors

Table 79. Calnetix Technologies Mechanical Energy Storage System Product Portfolios and Specifications

Table 80. Calnetix Technologies Mechanical Energy Storage System Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2025)

Table 81. Calnetix Technologies Main Business

Table 82. Calnetix Technologies Latest Developments

Table 83. ABB Basic Information, Mechanical Energy Storage System Manufacturing Base, Sales Area and Its Competitors

Table 84. ABB Mechanical Energy Storage System Product Portfolios and Specifications

Table 85. ABB Mechanical Energy Storage System Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2025)

Table 86. ABB Main Business

Table 87. ABB Latest Developments

Table 88. POWERTHRU Basic Information, Mechanical Energy Storage System Manufacturing Base, Sales Area and Its Competitors

Table 89. POWERTHRU Mechanical Energy Storage System Product Portfolios and Specifications

Table 90. POWERTHRU Mechanical Energy Storage System Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2025)

Table 91. POWERTHRU Main Business

Table 92. POWERTHRU Latest Developments

Table 93. PUNCH Flybrid Basic Information, Mechanical Energy Storage System Manufacturing Base, Sales Area and Its Competitors

Table 94. PUNCH Flybrid Mechanical Energy Storage System Product Portfolios and Specifications

Table 95. PUNCH Flybrid Mechanical Energy Storage System Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2025)

Table 96. PUNCH Flybrid Main Business

Table 97. PUNCH Flybrid Latest Developments

Table 98. Amber Kinetic Basic Information, Mechanical Energy Storage System Manufacturing Base, Sales Area and Its Competitors

Table 99. Amber Kinetic Mechanical Energy Storage System Product Portfolios and Specifications

Table 100. Amber Kinetic Mechanical Energy Storage System Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2025)

Table 101. Amber Kinetic Main Business

Table 102. Amber Kinetic Latest Developments

Table 103. Beijing Qifeng Basic Information, Mechanical Energy Storage System Manufacturing Base, Sales Area and Its Competitors

Table 104. Beijing Qifeng Mechanical Energy Storage System Product Portfolios and Specifications

Table 105. Beijing Qifeng Mechanical Energy Storage System Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2025)

Table 106. Beijing Qifeng Main Business

Table 107. Beijing Qifeng Latest Developments

Table 108. Bc New Energy Basic Information, Mechanical Energy Storage System Manufacturing Base, Sales Area and Its Competitors

Table 109. Bc New Energy Mechanical Energy Storage System Product Portfolios and

Specifications

Table 110. Bc New Energy Mechanical Energy Storage System Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2025)

Table 111. Bc New Energy Main Business

Table 112. Bc New Energy Latest Developments

Table 113. Kinetic Traction Systems Basic Information, Mechanical Energy Storage System Manufacturing Base, Sales Area and Its Competitors

Table 114. Kinetic Traction Systems Mechanical Energy Storage System Product Portfolios and Specifications

Table 115. Kinetic Traction Systems Mechanical Energy Storage System Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2025)

Table 116. Kinetic Traction Systems Main Business

Table 117. Kinetic Traction Systems Latest Developments

Table 118. Stornetic Basic Information, Mechanical Energy Storage System Manufacturing Base, Sales Area and Its Competitors

Table 119. Stornetic Mechanical Energy Storage System Product Portfolios and Specifications

Table 120. Stornetic Mechanical Energy Storage System Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2025)

Table 121. Stornetic Main Business

Table 122. Stornetic Latest Developments

List Of Figures

LIST OF FIGURES

- Figure 1. Picture of Mechanical Energy Storage System
- Figure 2. Mechanical Energy Storage System Report Years Considered
- Figure 3. Research Objectives
- Figure 4. Research Methodology
- Figure 5. Research Process and Data Source
- Figure 6. Global Mechanical Energy Storage System Sales Growth Rate 2020-2031 (K Units)
- Figure 7. Global Mechanical Energy Storage System Revenue Growth Rate 2020-2031 (\$ millions)
- Figure 8. Mechanical Energy Storage System Sales by Geographic Region (2020, 2024 & 2031) & (\$ millions)
- Figure 9. Mechanical Energy Storage System Sales Market Share by Country/Region (2024)
- Figure 10. Mechanical Energy Storage System Sales Market Share by Country/Region (2020, 2024 & 2031)
- Figure 11. Product Picture of Flywheel
- Figure 12. Product Picture of Pumped Hydro
- Figure 13. Product Picture of Compressed Air
- Figure 14. Global Mechanical Energy Storage System Sales Market Share by Type in 2025
- Figure 15. Global Mechanical Energy Storage System Revenue Market Share by Type (2020-2025)
- Figure 16. Mechanical Energy Storage System Consumed in UPS
- Figure 17. Global Mechanical Energy Storage System Market: UPS (2020-2025) & (K Units)
- Figure 18. Mechanical Energy Storage System Consumed in Electricity Grid
- Figure 19. Global Mechanical Energy Storage System Market: Electricity Grid (2020-2025) & (K Units)
- Figure 20. Mechanical Energy Storage System Consumed in Transportation
- Figure 21. Global Mechanical Energy Storage System Market: Transportation (2020-2025) & (K Units)
- Figure 22. Global Mechanical Energy Storage System Sale Market Share by Application (2024)
- Figure 23. Global Mechanical Energy Storage System Revenue Market Share by Application in 2025

Figure 24. Mechanical Energy Storage System Sales by Company in 2025 (K Units)

Figure 25. Global Mechanical Energy Storage System Sales Market Share by Company in 2025

Figure 26. Mechanical Energy Storage System Revenue by Company in 2025 (\$ millions)

Figure 27. Global Mechanical Energy Storage System Revenue Market Share by Company in 2025

Figure 28. Global Mechanical Energy Storage System Sales Market Share by Geographic Region (2020-2025)

Figure 29. Global Mechanical Energy Storage System Revenue Market Share by Geographic Region in 2025

Figure 30. Americas Mechanical Energy Storage System Sales 2020-2025 (K Units)

Figure 31. Americas Mechanical Energy Storage System Revenue 2020-2025 (\$ millions)

Figure 32. APAC Mechanical Energy Storage System Sales 2020-2025 (K Units)

Figure 33. APAC Mechanical Energy Storage System Revenue 2020-2025 (\$ millions)

Figure 34. Europe Mechanical Energy Storage System Sales 2020-2025 (K Units)

Figure 35. Europe Mechanical Energy Storage System Revenue 2020-2025 (\$ millions)

Figure 36. Middle East & Africa Mechanical Energy Storage System Sales 2020-2025 (K Units)

Figure 37. Middle East & Africa Mechanical Energy Storage System Revenue 2020-2025 (\$ millions)

Figure 38. Americas Mechanical Energy Storage System Sales Market Share by Country in 2025

Figure 39. Americas Mechanical Energy Storage System Revenue Market Share by Country (2020-2025)

Figure 40. Americas Mechanical Energy Storage System Sales Market Share by Type (2020-2025)

Figure 41. Americas Mechanical Energy Storage System Sales Market Share by Application (2020-2025)

Figure 42. United States Mechanical Energy Storage System Revenue Growth 2020-2025 (\$ millions)

Figure 43. Canada Mechanical Energy Storage System Revenue Growth 2020-2025 (\$ millions)

Figure 44. Mexico Mechanical Energy Storage System Revenue Growth 2020-2025 (\$ millions)

Figure 45. Brazil Mechanical Energy Storage System Revenue Growth 2020-2025 (\$ millions)

Figure 46. APAC Mechanical Energy Storage System Sales Market Share by Region in

2025

Figure 47. APAC Mechanical Energy Storage System Revenue Market Share by Region (2020-2025)

Figure 48. APAC Mechanical Energy Storage System Sales Market Share by Type (2020-2025)

Figure 49. APAC Mechanical Energy Storage System Sales Market Share by Application (2020-2025)

Figure 50. China Mechanical Energy Storage System Revenue Growth 2020-2025 (\$ millions)

Figure 51. Japan Mechanical Energy Storage System Revenue Growth 2020-2025 (\$ millions)

Figure 52. South Korea Mechanical Energy Storage System Revenue Growth 2020-2025 (\$ millions)

Figure 53. Southeast Asia Mechanical Energy Storage System Revenue Growth 2020-2025 (\$ millions)

Figure 54. India Mechanical Energy Storage System Revenue Growth 2020-2025 (\$ millions)

Figure 55. Australia Mechanical Energy Storage System Revenue Growth 2020-2025 (\$ millions)

Figure 56. China Taiwan Mechanical Energy Storage System Revenue Growth 2020-2025 (\$ millions)

Figure 57. Europe Mechanical Energy Storage System Sales Market Share by Country in 2025

Figure 58. Europe Mechanical Energy Storage System Revenue Market Share by Country (2020-2025)

Figure 59. Europe Mechanical Energy Storage System Sales Market Share by Type (2020-2025)

Figure 60. Europe Mechanical Energy Storage System Sales Market Share by Application (2020-2025)

Figure 61. Germany Mechanical Energy Storage System Revenue Growth 2020-2025 (\$ millions)

Figure 62. France Mechanical Energy Storage System Revenue Growth 2020-2025 (\$ millions)

Figure 63. UK Mechanical Energy Storage System Revenue Growth 2020-2025 (\$ millions)

Figure 64. Italy Mechanical Energy Storage System Revenue Growth 2020-2025 (\$ millions)

Figure 65. Russia Mechanical Energy Storage System Revenue Growth 2020-2025 (\$ millions)

Figure 66. Middle East & Africa Mechanical Energy Storage System Sales Market Share by Country (2020-2025)

Figure 67. Middle East & Africa Mechanical Energy Storage System Sales Market Share by Type (2020-2025)

Figure 68. Middle East & Africa Mechanical Energy Storage System Sales Market Share by Application (2020-2025)

Figure 69. Egypt Mechanical Energy Storage System Revenue Growth 2020-2025 (\$ millions)

Figure 70. South Africa Mechanical Energy Storage System Revenue Growth 2020-2025 (\$ millions)

Figure 71. Israel Mechanical Energy Storage System Revenue Growth 2020-2025 (\$ millions)

Figure 72. Turkey Mechanical Energy Storage System Revenue Growth 2020-2025 (\$ millions)

Figure 73. GCC Countries Mechanical Energy Storage System Revenue Growth 2020-2025 (\$ millions)

Figure 74. Manufacturing Cost Structure Analysis of Mechanical Energy Storage System in 2025

Figure 75. Manufacturing Process Analysis of Mechanical Energy Storage System

Figure 76. Industry Chain Structure of Mechanical Energy Storage System

Figure 77. Channels of Distribution

Figure 78. Global Mechanical Energy Storage System Sales Market Forecast by Region (2026-2031)

Figure 79. Global Mechanical Energy Storage System Revenue Market Share Forecast by Region (2026-2031)

Figure 80. Global Mechanical Energy Storage System Sales Market Share Forecast by Type (2026-2031)

Figure 81. Global Mechanical Energy Storage System Revenue Market Share Forecast by Type (2026-2031)

Figure 82. Global Mechanical Energy Storage System Sales Market Share Forecast by Application (2026-2031)

Figure 83. Global Mechanical Energy Storage System Revenue Market Share Forecast by Application (2026-2031)

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