

Global Energy Storage Flywheel Market Research Report 2024, Forecast to 2032

<https://marketpublishers.com/r/G9A12CC4483BEN.html>

Date: October 2024

Pages: 139

Price: US\$ 3,200.00 (Single User License)

ID: G9A12CC4483BEN

Abstracts

Report Overview

An energy storage flywheel is a mechanical device used to store and release energy by utilizing the rotational kinetic energy of a spinning mass. The flywheel consists of a rotor that spins at high speeds within a low-friction environment, typically a vacuum chamber. When energy is supplied to the system, it accelerates the rotor, storing energy in the form of rotational motion. This energy can then be quickly released by slowing down the rotor, providing a rapid and efficient power supply. Flywheel energy storage systems are known for their high power density, long cycle life, and quick response times, making them suitable for applications such as grid stability, renewable energy integration, uninterruptible power supplies (UPS), and transportation. They offer a sustainable and reliable method for energy storage, contributing to enhanced energy management and efficiency.

The global Energy Storage Flywheel market size was estimated at USD 215 million in 2023 and is projected to reach USD 486.59 million by 2032, exhibiting a CAGR of 9.50% during the forecast period.

North America Energy Storage Flywheel market size was estimated at USD 65.52 million in 2023, at a CAGR of 8.14% during the forecast period of 2024 through 2032.

This report provides a deep insight into the global Energy Storage Flywheel market covering all its essential aspects. This ranges from a macro overview of the market to micro details of the market size, competitive landscape, development trend, niche market, key market drivers and challenges, SWOT analysis, value chain analysis, etc.

The analysis helps the reader to shape the competition within the industries and strategies for the competitive environment to enhance the potential profit. Furthermore, it provides a simple framework for evaluating and accessing the position of the business organization. The report structure also focuses on the competitive landscape of the Global Energy Storage Flywheel Market, this report introduces in detail the market share, market performance, product situation, operation situation, etc. of the main players, which helps the readers in the industry to identify the main competitors and deeply understand the competition pattern of the market.

In a word, this report is a must-read for industry players, investors, researchers, consultants, business strategists, and all those who have any kind of stake or are planning to foray into the Energy Storage Flywheel market in any manner.

Global Energy Storage Flywheel Market: Market Segmentation Analysis

The research report includes specific segments by region (country), manufacturers, Type, and Application. Market segmentation creates subsets of a market based on product type, end-user or application, Geographic, and other factors. By understanding the market segments, the decision-maker can leverage this targeting in the product, sales, and marketing strategies. Market segments can power your product development cycles by informing how you create product offerings for different segments.

Key Company

Piller

Calnetix Technologies

ABB

POWERTHRU

PUNCH Flybrid

Revterra

Amber Kinetic

Shandong Tianrui Heavy Industry

Stornetic

VYCON

Beijing Qifeng Energy Technology

Huachi Dongneng

Kinetic Traction Systems

BC New Energy

Market Segmentation (by Type)

Below 500 MJ

500-1500 MJ

Above 1500 MJ

Market Segmentation (by Application)

Power Grid

Rail Transit

UPS Uninterruptible Power Supply

Others

Geographic Segmentation

North America (USA, Canada, Mexico)

Europe (Germany, UK, France, Russia, Italy, Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia, Rest of Asia-Pacific)

South America (Brazil, Argentina, Columbia, Rest of South America)

The Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria, South Africa, Rest of MEA)

Key Benefits of This Market Research:

Industry drivers, restraints, and opportunities covered in the study

Neutral perspective on the market performance

Recent industry trends and developments

Competitive landscape & strategies of key players

Potential & niche segments and regions exhibiting promising growth covered

Historical, current, and projected market size, in terms of value

In-depth analysis of the Energy Storage Flywheel Market

Overview of the regional outlook of the Energy Storage Flywheel Market:

Key Reasons to Buy this Report:

Access to date statistics compiled by our researchers. These provide you with historical and forecast data, which is analyzed to tell you why your market is set to change

This enables you to anticipate market changes to remain ahead of your competitors

You will be able to copy data from the Excel spreadsheet straight into your marketing plans, business presentations, or other strategic documents

The concise analysis, clear graph, and table format will enable you to pinpoint

the information you require quickly

Provision of market value data for each segment and sub-segment

Indicates the region and segment that is expected to witness the fastest growth as well as to dominate the market

Analysis by geography highlighting the consumption of the product/service in the region as well as indicating the factors that are affecting the market within each region

Competitive landscape which incorporates the market ranking of the major players, along with new service/product launches, partnerships, business expansions, and acquisitions in the past five years of companies profiled

Extensive company profiles comprising of company overview, company insights, product benchmarking, and SWOT analysis for the major market players

The current as well as the future market outlook of the industry concerning recent developments which involve growth opportunities and drivers as well as challenges and restraints of both emerging as well as developed regions

Includes in-depth analysis of the market from various perspectives through Porter's five forces analysis

Provides insight into the market through Value Chain

Market dynamics scenario, along with growth opportunities of the market in the years to come

6-month post-sales analyst support

Customization of the Report

In case of any queries or customization requirements, please connect with our sales team, who will ensure that your requirements are met.

Chapter Outline

Chapter 1 mainly introduces the statistical scope of the report, market division standards, and market research methods.

Chapter 2 is an executive summary of different market segments (by region, product type, application, etc), including the market size of each market segment, future development potential, and so on. It offers a high-level view of the current state of the Energy Storage Flywheel Market and its likely evolution in the short to mid-term, and long term.

Chapter 3 makes a detailed analysis of the market's competitive landscape of the market and provides the market share, capacity, output, price, latest development plan, merger, and acquisition information of the main manufacturers in the market.

Chapter 4 is the analysis of the whole market industrial chain, including the upstream and downstream of the industry, as well as Porter's five forces analysis.

Chapter 5 introduces the latest developments of the market, the driving factors and restrictive factors of the market, the challenges and risks faced by manufacturers in the industry, and the analysis of relevant policies in the industry.

Chapter 6 provides the analysis of various market segments according to product types, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 7 provides the analysis of various market segments according to application, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

Chapter 8 provides a quantitative analysis of the market size and development potential of each region from the consumer side and its main countries and introduces the market development, future development prospects, market space, and capacity of each country in the world.

Chapter 9 shares the main producing countries of Energy Storage Flywheel, their output value, profit level, regional supply, production capacity layout, etc. from the supply side.

Chapter 10 introduces the basic situation of the main companies in the market in detail, including product sales revenue, sales volume, price, gross profit margin, market share,

product introduction, recent development, etc.

Chapter 11 provides a quantitative analysis of the market size and development potential of each region during the forecast period.

Chapter 12 provides a quantitative analysis of the market size and development potential of each market segment during the forecast period.

Chapter 13 is the main points and conclusions of the report.

Contents

1 RESEARCH METHODOLOGY AND STATISTICAL SCOPE

1.1 Market Definition and Statistical Scope of Energy Storage Flywheel

1.2 Key Market Segments

1.2.1 Energy Storage Flywheel Segment by Type

1.2.2 Energy Storage Flywheel Segment by Application

1.3 Methodology & Sources of Information

1.3.1 Research Methodology

1.3.2 Research Process

1.3.3 Market Breakdown and Data Triangulation

1.3.4 Base Year

1.3.5 Report Assumptions & Caveats

2 ENERGY STORAGE FLYWHEEL MARKET OVERVIEW

2.1 Global Market Overview

2.1.1 Global Energy Storage Flywheel Market Size (M USD) Estimates and Forecasts (2019-2032)

2.1.2 Global Energy Storage Flywheel Sales Estimates and Forecasts (2019-2032)

2.2 Market Segment Executive Summary

2.3 Global Market Size by Region

3 ENERGY STORAGE FLYWHEEL MARKET COMPETITIVE LANDSCAPE

3.1 Global Energy Storage Flywheel Sales by Manufacturers (2019-2024)

3.2 Global Energy Storage Flywheel Revenue Market Share by Manufacturers (2019-2024)

3.3 Energy Storage Flywheel Market Share by Company Type (Tier 1, Tier 2, and Tier 3)

3.4 Global Energy Storage Flywheel Average Price by Manufacturers (2019-2024)

3.5 Manufacturers Energy Storage Flywheel Sales Sites, Area Served, Product Type

3.6 Energy Storage Flywheel Market Competitive Situation and Trends

3.6.1 Energy Storage Flywheel Market Concentration Rate

3.6.2 Global 5 and 10 Largest Energy Storage Flywheel Players Market Share by Revenue

3.6.3 Mergers & Acquisitions, Expansion

4 ENERGY STORAGE FLYWHEEL INDUSTRY CHAIN ANALYSIS

- 4.1 Energy Storage Flywheel Industry Chain Analysis
- 4.2 Market Overview of Key Raw Materials
- 4.3 Midstream Market Analysis
- 4.4 Downstream Customer Analysis

5 THE DEVELOPMENT AND DYNAMICS OF ENERGY STORAGE FLYWHEEL MARKET

- 5.1 Key Development Trends
- 5.2 Driving Factors
- 5.3 Market Challenges
- 5.4 Market Restraints
- 5.5 Industry News
 - 5.5.1 New Product Developments
 - 5.5.2 Mergers & Acquisitions
 - 5.5.3 Expansions
 - 5.5.4 Collaboration/Supply Contracts
- 5.6 Industry Policies

6 ENERGY STORAGE FLYWHEEL MARKET SEGMENTATION BY TYPE

- 6.1 Evaluation Matrix of Segment Market Development Potential (Type)
- 6.2 Global Energy Storage Flywheel Sales Market Share by Type (2019-2024)
- 6.3 Global Energy Storage Flywheel Market Size Market Share by Type (2019-2024)
- 6.4 Global Energy Storage Flywheel Price by Type (2019-2024)

7 ENERGY STORAGE FLYWHEEL MARKET SEGMENTATION BY APPLICATION

- 7.1 Evaluation Matrix of Segment Market Development Potential (Application)
- 7.2 Global Energy Storage Flywheel Market Sales by Application (2019-2024)
- 7.3 Global Energy Storage Flywheel Market Size (M USD) by Application (2019-2024)
- 7.4 Global Energy Storage Flywheel Sales Growth Rate by Application (2019-2024)

8 ENERGY STORAGE FLYWHEEL MARKET CONSUMPTION BY REGION

- 8.1 Global Energy Storage Flywheel Sales by Region
 - 8.1.1 Global Energy Storage Flywheel Sales by Region

8.1.2 Global Energy Storage Flywheel Sales Market Share by Region

8.2 North America

8.2.1 North America Energy Storage Flywheel Sales by Country

8.2.2 U.S.

8.2.3 Canada

8.2.4 Mexico

8.3 Europe

8.3.1 Europe Energy Storage Flywheel Sales by Country

8.3.2 Germany

8.3.3 France

8.3.4 U.K.

8.3.5 Italy

8.3.6 Russia

8.4 Asia Pacific

8.4.1 Asia Pacific Energy Storage Flywheel Sales by Region

8.4.2 China

8.4.3 Japan

8.4.4 South Korea

8.4.5 India

8.4.6 Southeast Asia

8.5 South America

8.5.1 South America Energy Storage Flywheel Sales by Country

8.5.2 Brazil

8.5.3 Argentina

8.5.4 Columbia

8.6 Middle East and Africa

8.6.1 Middle East and Africa Energy Storage Flywheel Sales by Region

8.6.2 Saudi Arabia

8.6.3 UAE

8.6.4 Egypt

8.6.5 Nigeria

8.6.6 South Africa

9 ENERGY STORAGE FLYWHEEL MARKET PRODUCTION BY REGION

9.1 Global Production of Energy Storage Flywheel by Region (2019-2024)

9.2 Global Energy Storage Flywheel Revenue Market Share by Region (2019-2024)

9.3 Global Energy Storage Flywheel Production, Revenue, Price and Gross Margin (2019-2024)

9.4 North America Energy Storage Flywheel Production

9.4.1 North America Energy Storage Flywheel Production Growth Rate (2019-2024)

9.4.2 North America Energy Storage Flywheel Production, Revenue, Price and Gross Margin (2019-2024)

9.5 Europe Energy Storage Flywheel Production

9.5.1 Europe Energy Storage Flywheel Production Growth Rate (2019-2024)

9.5.2 Europe Energy Storage Flywheel Production, Revenue, Price and Gross Margin (2019-2024)

9.6 Japan Energy Storage Flywheel Production (2019-2024)

9.6.1 Japan Energy Storage Flywheel Production Growth Rate (2019-2024)

9.6.2 Japan Energy Storage Flywheel Production, Revenue, Price and Gross Margin (2019-2024)

9.7 China Energy Storage Flywheel Production (2019-2024)

9.7.1 China Energy Storage Flywheel Production Growth Rate (2019-2024)

9.7.2 China Energy Storage Flywheel Production, Revenue, Price and Gross Margin (2019-2024)

10 KEY COMPANIES PROFILE

10.1 Piller

10.1.1 Piller Energy Storage Flywheel Basic Information

10.1.2 Piller Energy Storage Flywheel Product Overview

10.1.3 Piller Energy Storage Flywheel Product Market Performance

10.1.4 Piller Business Overview

10.1.5 Piller Energy Storage Flywheel SWOT Analysis

10.1.6 Piller Recent Developments

10.2 Calnetix Technologies

10.2.1 Calnetix Technologies Energy Storage Flywheel Basic Information

10.2.2 Calnetix Technologies Energy Storage Flywheel Product Overview

10.2.3 Calnetix Technologies Energy Storage Flywheel Product Market Performance

10.2.4 Calnetix Technologies Business Overview

10.2.5 Calnetix Technologies Energy Storage Flywheel SWOT Analysis

10.2.6 Calnetix Technologies Recent Developments

10.3 ABB

10.3.1 ABB Energy Storage Flywheel Basic Information

10.3.2 ABB Energy Storage Flywheel Product Overview

10.3.3 ABB Energy Storage Flywheel Product Market Performance

10.3.4 ABB Energy Storage Flywheel SWOT Analysis

10.3.5 ABB Business Overview

- 10.3.6 ABB Recent Developments
- 10.4 POWERTHRU
 - 10.4.1 POWERTHRU Energy Storage Flywheel Basic Information
 - 10.4.2 POWERTHRU Energy Storage Flywheel Product Overview
 - 10.4.3 POWERTHRU Energy Storage Flywheel Product Market Performance
 - 10.4.4 POWERTHRU Business Overview
 - 10.4.5 POWERTHRU Recent Developments
- 10.5 PUNCH Flybrid
 - 10.5.1 PUNCH Flybrid Energy Storage Flywheel Basic Information
 - 10.5.2 PUNCH Flybrid Energy Storage Flywheel Product Overview
 - 10.5.3 PUNCH Flybrid Energy Storage Flywheel Product Market Performance
 - 10.5.4 PUNCH Flybrid Business Overview
 - 10.5.5 PUNCH Flybrid Recent Developments
- 10.6 Revterra
 - 10.6.1 Revterra Energy Storage Flywheel Basic Information
 - 10.6.2 Revterra Energy Storage Flywheel Product Overview
 - 10.6.3 Revterra Energy Storage Flywheel Product Market Performance
 - 10.6.4 Revterra Business Overview
 - 10.6.5 Revterra Recent Developments
- 10.7 Amber Kinetic
 - 10.7.1 Amber Kinetic Energy Storage Flywheel Basic Information
 - 10.7.2 Amber Kinetic Energy Storage Flywheel Product Overview
 - 10.7.3 Amber Kinetic Energy Storage Flywheel Product Market Performance
 - 10.7.4 Amber Kinetic Business Overview
 - 10.7.5 Amber Kinetic Recent Developments
- 10.8 Shandong Tianrui Heavy Industry
 - 10.8.1 Shandong Tianrui Heavy Industry Energy Storage Flywheel Basic Information
 - 10.8.2 Shandong Tianrui Heavy Industry Energy Storage Flywheel Product Overview
 - 10.8.3 Shandong Tianrui Heavy Industry Energy Storage Flywheel Product Market Performance
 - 10.8.4 Shandong Tianrui Heavy Industry Business Overview
 - 10.8.5 Shandong Tianrui Heavy Industry Recent Developments
- 10.9 Stornetic
 - 10.9.1 Stornetic Energy Storage Flywheel Basic Information
 - 10.9.2 Stornetic Energy Storage Flywheel Product Overview
 - 10.9.3 Stornetic Energy Storage Flywheel Product Market Performance
 - 10.9.4 Stornetic Business Overview
 - 10.9.5 Stornetic Recent Developments
- 10.10 VYCON

- 10.10.1 VYCON Energy Storage Flywheel Basic Information
- 10.10.2 VYCON Energy Storage Flywheel Product Overview
- 10.10.3 VYCON Energy Storage Flywheel Product Market Performance
- 10.10.4 VYCON Business Overview
- 10.10.5 VYCON Recent Developments
- 10.11 Beijing Qifeng Energy Technology
 - 10.11.1 Beijing Qifeng Energy Technology Energy Storage Flywheel Basic Information
 - 10.11.2 Beijing Qifeng Energy Technology Energy Storage Flywheel Product Overview
 - 10.11.3 Beijing Qifeng Energy Technology Energy Storage Flywheel Product Market Performance
 - 10.11.4 Beijing Qifeng Energy Technology Business Overview
 - 10.11.5 Beijing Qifeng Energy Technology Recent Developments
- 10.12 Huachi Dongneng
 - 10.12.1 Huachi Dongneng Energy Storage Flywheel Basic Information
 - 10.12.2 Huachi Dongneng Energy Storage Flywheel Product Overview
 - 10.12.3 Huachi Dongneng Energy Storage Flywheel Product Market Performance
 - 10.12.4 Huachi Dongneng Business Overview
 - 10.12.5 Huachi Dongneng Recent Developments
- 10.13 Kinetic Traction Systems
 - 10.13.1 Kinetic Traction Systems Energy Storage Flywheel Basic Information
 - 10.13.2 Kinetic Traction Systems Energy Storage Flywheel Product Overview
 - 10.13.3 Kinetic Traction Systems Energy Storage Flywheel Product Market Performance
 - 10.13.4 Kinetic Traction Systems Business Overview
 - 10.13.5 Kinetic Traction Systems Recent Developments
- 10.14 BC New Energy
 - 10.14.1 BC New Energy Energy Storage Flywheel Basic Information
 - 10.14.2 BC New Energy Energy Storage Flywheel Product Overview
 - 10.14.3 BC New Energy Energy Storage Flywheel Product Market Performance
 - 10.14.4 BC New Energy Business Overview
 - 10.14.5 BC New Energy Recent Developments

11 ENERGY STORAGE FLYWHEEL MARKET FORECAST BY REGION

- 11.1 Global Energy Storage Flywheel Market Size Forecast
- 11.2 Global Energy Storage Flywheel Market Forecast by Region
 - 11.2.1 North America Market Size Forecast by Country
 - 11.2.2 Europe Energy Storage Flywheel Market Size Forecast by Country
 - 11.2.3 Asia Pacific Energy Storage Flywheel Market Size Forecast by Region

- 11.2.4 South America Energy Storage Flywheel Market Size Forecast by Country
- 11.2.5 Middle East and Africa Forecasted Consumption of Energy Storage Flywheel by Country

12 FORECAST MARKET BY TYPE AND BY APPLICATION (2025-2032)

- 12.1 Global Energy Storage Flywheel Market Forecast by Type (2025-2032)
 - 12.1.1 Global Forecasted Sales of Energy Storage Flywheel by Type (2025-2032)
 - 12.1.2 Global Energy Storage Flywheel Market Size Forecast by Type (2025-2032)
 - 12.1.3 Global Forecasted Price of Energy Storage Flywheel by Type (2025-2032)
- 12.2 Global Energy Storage Flywheel Market Forecast by Application (2025-2032)
 - 12.2.1 Global Energy Storage Flywheel Sales (K Units) Forecast by Application
 - 12.2.2 Global Energy Storage Flywheel Market Size (M USD) Forecast by Application (2025-2032)

13 CONCLUSION AND KEY FINDINGS

List Of Tables

LIST OF TABLES

- Table 1. Introduction of the Type
- Table 2. Introduction of the Application
- Table 3. Market Size (M USD) Segment Executive Summary
- Table 4. Energy Storage Flywheel Market Size Comparison by Region (M USD)
- Table 5. Global Energy Storage Flywheel Sales (K Units) by Manufacturers (2019-2024)
- Table 6. Global Energy Storage Flywheel Sales Market Share by Manufacturers (2019-2024)
- Table 7. Global Energy Storage Flywheel Revenue (M USD) by Manufacturers (2019-2024)
- Table 8. Global Energy Storage Flywheel Revenue Share by Manufacturers (2019-2024)
- Table 9. Company Type (Tier 1, Tier 2, and Tier 3) & (based on the Revenue in Energy Storage Flywheel as of 2022)
- Table 10. Global Market Energy Storage Flywheel Average Price (USD/Unit) of Key Manufacturers (2019-2024)
- Table 11. Manufacturers Energy Storage Flywheel Sales Sites and Area Served
- Table 12. Manufacturers Energy Storage Flywheel Product Type
- Table 13. Global Energy Storage Flywheel Manufacturers Market Concentration Ratio (CR5 and HHI)
- Table 14. Mergers & Acquisitions, Expansion Plans
- Table 15. Industry Chain Map of Energy Storage Flywheel
- Table 16. Market Overview of Key Raw Materials
- Table 17. Midstream Market Analysis
- Table 18. Downstream Customer Analysis
- Table 19. Key Development Trends
- Table 20. Driving Factors
- Table 21. Energy Storage Flywheel Market Challenges
- Table 22. Global Energy Storage Flywheel Sales by Type (K Units)
- Table 23. Global Energy Storage Flywheel Market Size by Type (M USD)
- Table 24. Global Energy Storage Flywheel Sales (K Units) by Type (2019-2024)
- Table 25. Global Energy Storage Flywheel Sales Market Share by Type (2019-2024)
- Table 26. Global Energy Storage Flywheel Market Size (M USD) by Type (2019-2024)
- Table 27. Global Energy Storage Flywheel Market Size Share by Type (2019-2024)
- Table 28. Global Energy Storage Flywheel Price (USD/Unit) by Type (2019-2024)
- Table 29. Global Energy Storage Flywheel Sales (K Units) by Application

- Table 30. Global Energy Storage Flywheel Market Size by Application
- Table 31. Global Energy Storage Flywheel Sales by Application (2019-2024) & (K Units)
- Table 32. Global Energy Storage Flywheel Sales Market Share by Application (2019-2024)
- Table 33. Global Energy Storage Flywheel Sales by Application (2019-2024) & (M USD)
- Table 34. Global Energy Storage Flywheel Market Share by Application (2019-2024)
- Table 35. Global Energy Storage Flywheel Sales Growth Rate by Application (2019-2024)
- Table 36. Global Energy Storage Flywheel Sales by Region (2019-2024) & (K Units)
- Table 37. Global Energy Storage Flywheel Sales Market Share by Region (2019-2024)
- Table 38. North America Energy Storage Flywheel Sales by Country (2019-2024) & (K Units)
- Table 39. Europe Energy Storage Flywheel Sales by Country (2019-2024) & (K Units)
- Table 40. Asia Pacific Energy Storage Flywheel Sales by Region (2019-2024) & (K Units)
- Table 41. South America Energy Storage Flywheel Sales by Country (2019-2024) & (K Units)
- Table 42. Middle East and Africa Energy Storage Flywheel Sales by Region (2019-2024) & (K Units)
- Table 43. Global Energy Storage Flywheel Production (K Units) by Region (2019-2024)
- Table 44. Global Energy Storage Flywheel Revenue (US\$ Million) by Region (2019-2024)
- Table 45. Global Energy Storage Flywheel Revenue Market Share by Region (2019-2024)
- Table 46. Global Energy Storage Flywheel Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)
- Table 47. North America Energy Storage Flywheel Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)
- Table 48. Europe Energy Storage Flywheel Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)
- Table 49. Japan Energy Storage Flywheel Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)
- Table 50. China Energy Storage Flywheel Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)
- Table 51. Piller Energy Storage Flywheel Basic Information
- Table 52. Piller Energy Storage Flywheel Product Overview
- Table 53. Piller Energy Storage Flywheel Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)
- Table 54. Piller Business Overview

Table 55. Pillar Energy Storage Flywheel SWOT Analysis

Table 56. Pillar Recent Developments

Table 57. Calnetix Technologies Energy Storage Flywheel Basic Information

Table 58. Calnetix Technologies Energy Storage Flywheel Product Overview

Table 59. Calnetix Technologies Energy Storage Flywheel Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 60. Calnetix Technologies Business Overview

Table 61. Calnetix Technologies Energy Storage Flywheel SWOT Analysis

Table 62. Calnetix Technologies Recent Developments

Table 63. ABB Energy Storage Flywheel Basic Information

Table 64. ABB Energy Storage Flywheel Product Overview

Table 65. ABB Energy Storage Flywheel Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 66. ABB Energy Storage Flywheel SWOT Analysis

Table 67. ABB Business Overview

Table 68. ABB Recent Developments

Table 69. POWERTHRU Energy Storage Flywheel Basic Information

Table 70. POWERTHRU Energy Storage Flywheel Product Overview

Table 71. POWERTHRU Energy Storage Flywheel Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 72. POWERTHRU Business Overview

Table 73. POWERTHRU Recent Developments

Table 74. PUNCH Flybrid Energy Storage Flywheel Basic Information

Table 75. PUNCH Flybrid Energy Storage Flywheel Product Overview

Table 76. PUNCH Flybrid Energy Storage Flywheel Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 77. PUNCH Flybrid Business Overview

Table 78. PUNCH Flybrid Recent Developments

Table 79. Revterra Energy Storage Flywheel Basic Information

Table 80. Revterra Energy Storage Flywheel Product Overview

Table 81. Revterra Energy Storage Flywheel Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 82. Revterra Business Overview

Table 83. Revterra Recent Developments

Table 84. Amber Kinetic Energy Storage Flywheel Basic Information

Table 85. Amber Kinetic Energy Storage Flywheel Product Overview

Table 86. Amber Kinetic Energy Storage Flywheel Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 87. Amber Kinetic Business Overview

- Table 88. Amber Kinetic Recent Developments
- Table 89. Shandong Tianrui Heavy Industry Energy Storage Flywheel Basic Information
- Table 90. Shandong Tianrui Heavy Industry Energy Storage Flywheel Product Overview
- Table 91. Shandong Tianrui Heavy Industry Energy Storage Flywheel Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)
- Table 92. Shandong Tianrui Heavy Industry Business Overview
- Table 93. Shandong Tianrui Heavy Industry Recent Developments
- Table 94. Stornetic Energy Storage Flywheel Basic Information
- Table 95. Stornetic Energy Storage Flywheel Product Overview
- Table 96. Stornetic Energy Storage Flywheel Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)
- Table 97. Stornetic Business Overview
- Table 98. Stornetic Recent Developments
- Table 99. VYCON Energy Storage Flywheel Basic Information
- Table 100. VYCON Energy Storage Flywheel Product Overview
- Table 101. VYCON Energy Storage Flywheel Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)
- Table 102. VYCON Business Overview
- Table 103. VYCON Recent Developments
- Table 104. Beijing Qifeng Energy Technology Energy Storage Flywheel Basic Information
- Table 105. Beijing Qifeng Energy Technology Energy Storage Flywheel Product Overview
- Table 106. Beijing Qifeng Energy Technology Energy Storage Flywheel Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)
- Table 107. Beijing Qifeng Energy Technology Business Overview
- Table 108. Beijing Qifeng Energy Technology Recent Developments
- Table 109. Huachi Dongneng Energy Storage Flywheel Basic Information
- Table 110. Huachi Dongneng Energy Storage Flywheel Product Overview
- Table 111. Huachi Dongneng Energy Storage Flywheel Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)
- Table 112. Huachi Dongneng Business Overview
- Table 113. Huachi Dongneng Recent Developments
- Table 114. Kinetic Traction Systems Energy Storage Flywheel Basic Information
- Table 115. Kinetic Traction Systems Energy Storage Flywheel Product Overview
- Table 116. Kinetic Traction Systems Energy Storage Flywheel Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)
- Table 117. Kinetic Traction Systems Business Overview
- Table 118. Kinetic Traction Systems Recent Developments

Table 119. BC New Energy Energy Storage Flywheel Basic Information

Table 120. BC New Energy Energy Storage Flywheel Product Overview

Table 121. BC New Energy Energy Storage Flywheel Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 122. BC New Energy Business Overview

Table 123. BC New Energy Recent Developments

Table 124. Global Energy Storage Flywheel Sales Forecast by Region (2025-2032) & (K Units)

Table 125. Global Energy Storage Flywheel Market Size Forecast by Region (2025-2032) & (M USD)

Table 126. North America Energy Storage Flywheel Sales Forecast by Country (2025-2032) & (K Units)

Table 127. North America Energy Storage Flywheel Market Size Forecast by Country (2025-2032) & (M USD)

Table 128. Europe Energy Storage Flywheel Sales Forecast by Country (2025-2032) & (K Units)

Table 129. Europe Energy Storage Flywheel Market Size Forecast by Country (2025-2032) & (M USD)

Table 130. Asia Pacific Energy Storage Flywheel Sales Forecast by Region (2025-2032) & (K Units)

Table 131. Asia Pacific Energy Storage Flywheel Market Size Forecast by Region (2025-2032) & (M USD)

Table 132. South America Energy Storage Flywheel Sales Forecast by Country (2025-2032) & (K Units)

Table 133. South America Energy Storage Flywheel Market Size Forecast by Country (2025-2032) & (M USD)

Table 134. Middle East and Africa Energy Storage Flywheel Consumption Forecast by Country (2025-2032) & (Units)

Table 135. Middle East and Africa Energy Storage Flywheel Market Size Forecast by Country (2025-2032) & (M USD)

Table 136. Global Energy Storage Flywheel Sales Forecast by Type (2025-2032) & (K Units)

Table 137. Global Energy Storage Flywheel Market Size Forecast by Type (2025-2032) & (M USD)

Table 138. Global Energy Storage Flywheel Price Forecast by Type (2025-2032) & (USD/Unit)

Table 139. Global Energy Storage Flywheel Sales (K Units) Forecast by Application (2025-2032)

Table 140. Global Energy Storage Flywheel Market Size Forecast by Application

(2025-2032) & (M USD)

List Of Figures

LIST OF FIGURES

- Figure 1. Product Picture of Energy Storage Flywheel
- Figure 2. Data Triangulation
- Figure 3. Key Caveats
- Figure 4. Global Energy Storage Flywheel Market Size (M USD), 2019-2032
- Figure 5. Global Energy Storage Flywheel Market Size (M USD) (2019-2032)
- Figure 6. Global Energy Storage Flywheel Sales (K Units) & (2019-2032)
- Figure 7. Evaluation Matrix of Segment Market Development Potential (Type)
- Figure 8. Evaluation Matrix of Segment Market Development Potential (Application)
- Figure 9. Evaluation Matrix of Regional Market Development Potential
- Figure 10. Energy Storage Flywheel Market Size by Country (M USD)
- Figure 11. Energy Storage Flywheel Sales Share by Manufacturers in 2023
- Figure 12. Global Energy Storage Flywheel Revenue Share by Manufacturers in 2023
- Figure 13. Energy Storage Flywheel Market Share by Company Type (Tier 1, Tier 2 and Tier 3): 2023
- Figure 14. Global Market Energy Storage Flywheel Average Price (USD/Unit) of Key Manufacturers in 2023
- Figure 15. The Global 5 and 10 Largest Players: Market Share by Energy Storage Flywheel Revenue in 2023
- Figure 16. Evaluation Matrix of Segment Market Development Potential (Type)
- Figure 17. Global Energy Storage Flywheel Market Share by Type
- Figure 18. Sales Market Share of Energy Storage Flywheel by Type (2019-2024)
- Figure 19. Sales Market Share of Energy Storage Flywheel by Type in 2023
- Figure 20. Market Size Share of Energy Storage Flywheel by Type (2019-2024)
- Figure 21. Market Size Market Share of Energy Storage Flywheel by Type in 2023
- Figure 22. Evaluation Matrix of Segment Market Development Potential (Application)
- Figure 23. Global Energy Storage Flywheel Market Share by Application
- Figure 24. Global Energy Storage Flywheel Sales Market Share by Application (2019-2024)
- Figure 25. Global Energy Storage Flywheel Sales Market Share by Application in 2023
- Figure 26. Global Energy Storage Flywheel Market Share by Application (2019-2024)
- Figure 27. Global Energy Storage Flywheel Market Share by Application in 2023
- Figure 28. Global Energy Storage Flywheel Sales Growth Rate by Application (2019-2024)
- Figure 29. Global Energy Storage Flywheel Sales Market Share by Region (2019-2024)
- Figure 30. North America Energy Storage Flywheel Sales and Growth Rate (2019-2024)

& (K Units)

Figure 31. North America Energy Storage Flywheel Sales Market Share by Country in 2023

Figure 32. U.S. Energy Storage Flywheel Sales and Growth Rate (2019-2024) & (K Units)

Figure 33. Canada Energy Storage Flywheel Sales (K Units) and Growth Rate (2019-2024)

Figure 34. Mexico Energy Storage Flywheel Sales (Units) and Growth Rate (2019-2024)

Figure 35. Europe Energy Storage Flywheel Sales and Growth Rate (2019-2024) & (K Units)

Figure 36. Europe Energy Storage Flywheel Sales Market Share by Country in 2023

Figure 37. Germany Energy Storage Flywheel Sales and Growth Rate (2019-2024) & (K Units)

Figure 38. France Energy Storage Flywheel Sales and Growth Rate (2019-2024) & (K Units)

Figure 39. U.K. Energy Storage Flywheel Sales and Growth Rate (2019-2024) & (K Units)

Figure 40. Italy Energy Storage Flywheel Sales and Growth Rate (2019-2024) & (K Units)

Figure 41. Russia Energy Storage Flywheel Sales and Growth Rate (2019-2024) & (K Units)

Figure 42. Asia Pacific Energy Storage Flywheel Sales and Growth Rate (K Units)

Figure 43. Asia Pacific Energy Storage Flywheel Sales Market Share by Region in 2023

Figure 44. China Energy Storage Flywheel Sales and Growth Rate (2019-2024) & (K Units)

Figure 45. Japan Energy Storage Flywheel Sales and Growth Rate (2019-2024) & (K Units)

Figure 46. South Korea Energy Storage Flywheel Sales and Growth Rate (2019-2024) & (K Units)

Figure 47. India Energy Storage Flywheel Sales and Growth Rate (2019-2024) & (K Units)

Figure 48. Southeast Asia Energy Storage Flywheel Sales and Growth Rate (2019-2024) & (K Units)

Figure 49. South America Energy Storage Flywheel Sales and Growth Rate (K Units)

Figure 50. South America Energy Storage Flywheel Sales Market Share by Country in 2023

Figure 51. Brazil Energy Storage Flywheel Sales and Growth Rate (2019-2024) & (K Units)

Figure 52. Argentina Energy Storage Flywheel Sales and Growth Rate (2019-2024) &

(K Units)

Figure 53. Columbia Energy Storage Flywheel Sales and Growth Rate (2019-2024) & (K Units)

Figure 54. Middle East and Africa Energy Storage Flywheel Sales and Growth Rate (K Units)

Figure 55. Middle East and Africa Energy Storage Flywheel Sales Market Share by Region in 2023

Figure 56. Saudi Arabia Energy Storage Flywheel Sales and Growth Rate (2019-2024) & (K Units)

Figure 57. UAE Energy Storage Flywheel Sales and Growth Rate (2019-2024) & (K Units)

Figure 58. Egypt Energy Storage Flywheel Sales and Growth Rate (2019-2024) & (K Units)

Figure 59. Nigeria Energy Storage Flywheel Sales and Growth Rate (2019-2024) & (K Units)

Figure 60. South Africa Energy Storage Flywheel Sales and Growth Rate (2019-2024) & (K Units)

Figure 61. Global Energy Storage Flywheel Production Market Share by Region (2019-2024)

Figure 62. North America Energy Storage Flywheel Production (K Units) Growth Rate (2019-2024)

Figure 63. Europe Energy Storage Flywheel Production (K Units) Growth Rate (2019-2024)

Figure 64. Japan Energy Storage Flywheel Production (K Units) Growth Rate (2019-2024)

Figure 65. China Energy Storage Flywheel Production (K Units) Growth Rate (2019-2024)

Figure 66. Global Energy Storage Flywheel Sales Forecast by Volume (2019-2032) & (K Units)

Figure 67. Global Energy Storage Flywheel Market Size Forecast by Value (2019-2032) & (M USD)

Figure 68. Global Energy Storage Flywheel Sales Market Share Forecast by Type (2025-2032)

Figure 69. Global Energy Storage Flywheel Market Share Forecast by Type (2025-2032)

Figure 70. Global Energy Storage Flywheel Sales Forecast by Application (2025-2032)

Figure 71. Global Energy Storage Flywheel Market Share Forecast by Application (2025-2032)

I would like to order

Product name: Global Energy Storage Flywheel Market Research Report 2024, Forecast to 2032

Product link: <https://marketpublishers.com/r/G9A12CC4483BEN.html>

Price: US\$ 3,200.00 (Single User License / Electronic Delivery)

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

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G9A12CC4483BEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970