

# Global Flywheel Energy Storage Motor Market Growth 2026-2032

<https://marketpublishers.com/r/G7709437ECC7EN.html>

Date: February 2026

Pages: 92

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

ID: G7709437ECC7EN

## Abstracts

The global Flywheel Energy Storage Motor market size is predicted to grow from US\$ million in 2025 to US\$ million in 2032; it is expected to grow at a CAGR of % from 2026 to 2032.

The motor is the key part to convert the flywheel energy storage device from electrical energy into mechanical energy. The motor suitable for the flywheel energy storage system must meet the following conditions: the motor can operate in the motor working condition and the generator working condition respectively.

Bidirectional energy conversion; low no-load loss, high motor efficiency, ensuring long-term operation of the flywheel energy storage system and high overall energy conversion efficiency; wide motor speed regulation range, simple and reliable speed control method, meeting the operating speed of the flywheel energy storage system Range; the motor has high energy density and can output both large torque and large power. Permanent magnet motors have many excellent characteristics such as high power density, high power factor, wide speed range, high efficiency, small size, and good starting performance. With the continuous improvement of permanent magnet materials, the industry usually uses Permanent magnet motor in flywheel energy storage systems.

United States market for Flywheel Energy Storage Motor is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

China market for Flywheel Energy Storage Motor is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Europe market for Flywheel Energy Storage Motor is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Global key Flywheel Energy Storage Motor players cover JSTI Group Limited, Xiangtan Electric Manufacturing Group Co.,Ltd., CSZY, Hyunion, Harbin Electric Corporation Jiamusi Electric Machine Co.,Ltd., etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2025.

LP Information, Inc. (LPI) ' newest research report, the “Flywheel Energy Storage Motor Industry Forecast” looks at past sales and reviews total world Flywheel Energy Storage Motor sales in 2025, providing a comprehensive analysis by region and market sector of projected Flywheel Energy Storage Motor sales for 2026 through 2032. With Flywheel Energy Storage Motor sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Flywheel Energy Storage Motor industry.

This Insight Report provides a comprehensive analysis of the global Flywheel Energy Storage Motor 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 Flywheel Energy Storage Motor portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Flywheel Energy Storage Motor market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Flywheel Energy Storage Motor 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 Flywheel Energy Storage Motor.

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

### **Segmentation by Type:**

Induction Motor (IM)

Permanent Magnet Motor (PM)

Variable Reluctance Motor (VRM)

**Segmentation by Application:**

Metal Material Flywheel

Composite Material Flywheel

**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.

JSTI Group Limited

Xiangtan Electric Manufacturing Group Co.,Ltd.

CSZY

Hyunion

Harbin Electric Corporation Jiamusi Electric Machine Co.,Ltd.

Dianguang Explosion-proof Technology Co.,Ltd.

Jiangxi Leiyuan Permanent Magnetic Materials Co.,Ltd.

Jiangxi Special Electric Motor Co.,Ltd.

Asia Clean Capital

ZHEJIANG JINLONG ELECTRICAL MACHINERY SDOCK CO., LTD.

### **Key Questions Addressed in this Report**

What is the 10-year outlook for the global Flywheel Energy Storage Motor market?

What factors are driving Flywheel Energy Storage Motor market growth, globally and by region?

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

How do Flywheel Energy Storage Motor market opportunities vary by end market size?

How does Flywheel Energy Storage Motor break out by Type, by Application?

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