

# **Flywheel Energy Storage Investment**





## Overview

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What is the market share of Flywheel energy storage in 2025?

Utility will dominate with a 46.8% market share in 2025. The flywheel energy storage market is projected to reach USD 1.3 billion in 2025 and expand to USD 2.0 billion by 2035, advancing at a CAGR of 4.2 % during this period.

What is the largest flywheel energy storage system in the world?

Image: Shenzhen Energy Group. A project in China, claimed as the largest flywheel energy storage system in the world, has been connected to the grid. The first flywheel unit of the Dinglun Flywheel Energy Storage Power Station in Changzhi City, Shanxi Province, was connected by project owner Shenzhen Energy Group recently.

What is flywheel energy storage?

Flywheel energy storage is advancing through demand from utilities, data centers, transportation, and industrial sectors. Its unique strengths in reliability and rapid discharge ensure stable, long-term growth across diverse applications.

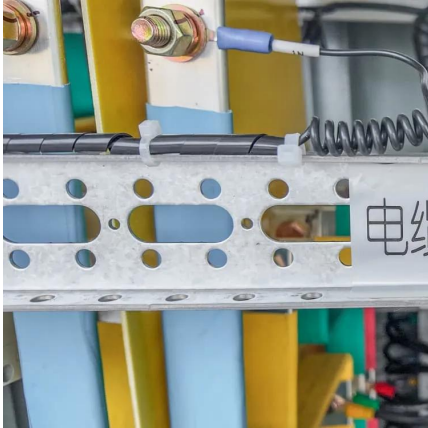
Who financed China's largest flywheel energy storage system?

The project was developed and financed by Shenzhen Energy Group. Image: Shenzhen Energy Group. A project in China, claimed as the largest flywheel energy storage system in the world, has been connected to the grid.



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### [Flywheel Energy Storage Market Share & Trends \[2033\]](#)

Jun 9, 2025 · The flywheel energy storage market has experienced significant developments in recent years, as industries increasingly adopt sustainable and efficient energy storage ...

### [Energy Storage Flywheel Market Size, Share & 2034 Growth ...](#)

Nov 20, 2025 · The Energy Storage Flywheel Market size is expected to reach USD 300 billion in 2030 registering a CAGR of 11.5. This Energy Storage Flywheel Market research report ...



### [Flywheel Energy Storage Market Size to Worth USD 1.81 Bn ...](#)

Jul 2, 2025 · The global flywheel energy storage market size was valued at USD 1.43 billion in 2024 and is projected to worth around USD 1.81 billion by 2034 with a CAGR of 2.38%.

### [Flywheel Energy Storage Systems Decade Long Trends, ...](#)

Apr 1, 2025 · The flywheel energy storage systems (FESS) market is experiencing robust growth, projected to reach a market size of \$166.4 million in 2025, exhibiting a Compound



Annual ...



### [China Connects World's Largest Flywheel Energy Storage ...](#)

Sep 22, 2024 · The Dinglun Flywheel Energy Storage Power Station, with a capacity of 30 MW, is now the world's largest flywheel energy storage project.



### [Flywheel Energy Storage Market Statistics, 2025-2034 Report](#)

The flywheel energy storage market size crossed USD 1.3 billion in 2024 and is expected to register at a CAGR of 4.2% from 2025 to 2034, driven by rising demand for reliable UPS ...



### [Flywheel Energy Storage Market , Global Market Analysis ...](#)

Sep 17, 2025 · The global flywheel energy storage market is projected to grow at a CAGR of 4.2% between 2025 and 2035. China leads with 5.7%, driven by rapid adoption in grid stabilization, ...





## [Flywheel Energy Storage Market Size, Share & Growth ...](#)

The Flywheel Energy Storage Market was valued at USD 1.25 billion in 2024 and is projected to reach USD 1.66 billion by 2032, growing at a CAGR of 3.7% during the forecast period.



## [\\$200 Million For Renewables-Friendly Flywheel Energy Storage](#)

Sep 11, 2025 · The latest example is the Illinois investment firm Magnetar Finance, which has just surged \$200 million in funding towards the flywheel energy storage innovator Torus Energy.

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