

# Flywheel energy storage equipment supply chain





## 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.

Are flywheel energy storage systems a good choice?

Li-ion and lead-acid batteries are the most commonly used energy storage systems here. However, advantages of flywheel energy storage systems such as higher efficiency and longer life are projected to increase the demand for flywheel energy storage systems, within the country.

Are flywheels a 'generation asset' or a storage device?

The EU's 2019 Energy Storage Directive initially categorized flywheels as "generation assets" rather than storage devices, subjecting them to double grid fees in Germany's balancing markets.

Where is the flywheel energy storage industry located?

Regionally, the flywheel energy storage industry is classified into North America, Latin America, Western Europe, Eastern Europe, Balkan & Baltic Countries, Russia & Belarus, Central Asia, East Asia, South Asia & Pacific, and the Middle East & Africa.



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

Mar 28, 2025 · In 2024, the global market size of Flywheel Energy Storage Systems was estimated to be worth US\$ 178 million and is forecast to reach approximately US\$ 301 million ...

### [Global Flywheel Energy Storage Equipment Supply, Demand ...](#)

The global Flywheel Energy Storage Equipment market size is expected to reach \$ 411 million by 2031, rising at a market growth of 23.0% CAGR during the forecast period (2025-2031).



### [Flywheel Energy Storage System Market Size & Competitors](#)

The flywheel energy storage system market is rapidly evolving, driven by the increasing need for grid stability, renewable integration, and resilient energy infrastructure. Senior executives ...



### **A review of flywheel energy storage systems: state of the art ...**

Feb 1, 2022 · A review of the recent development in flywheel energy storage technologies, both in academia and industry.



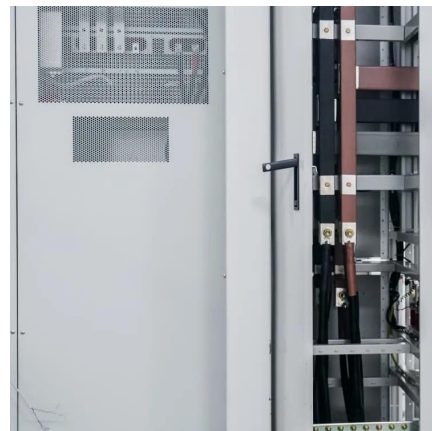
### [Flywheel Energy Storage Market . Global Market Analysis ...](#)

Sep 17, 2025 · Flywheel Energy Storage Market is expected to reach USD 2.0 billion and likely to surge at a CAGR of 4.2% during forecast period from 2025 to 2035.



### [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 System Market Size ...](#)

The flywheel energy storage system market is rapidly evolving, driven by the increasing need for grid stability, renewable integration, and resilient ...





### [Flywheel Energy Storage Systems Market Size ...](#)

The global flywheel energy storage systems (FESS) market was estimated at USD 461.11 billion in 2024 and is projected to reach USD 631.81 billion by ...



### [Flywheel Energy Storage Power Supply Market](#)

Nov 20, 2025 · The Flywheel Energy Storage Power Supply Market size is expected to reach USD 3.5 billion in 2024 growing at a CAGR of 11.5. The Flywheel Energy Storage Power ...

### **Flywheel Energy Storage in China: Current Trends and Future ...**

Mar 6, 2025 · If you're curious about cutting-edge energy storage solutions in China, you've probably heard whispers about flywheel energy storage. This article is for engineers, investors, ...



### [Energy Storage Flywheel Market](#)

The flywheel energy storage industry faces distinct supply chain vulnerabilities tied to specialized materials, manufacturing precision, and component availability.



[Flywheel Energy Storage Systems Market Size Report, 2030](#)

The global flywheel energy storage systems (FESS) market was estimated at USD 461.11 billion in 2024 and is projected to reach USD 631.81 billion by 2030, growing at a CAGR of 5.2% from ...



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