
European Flywheel Energy Storage

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 makes a flywheel a great energy storage system?

The flywheel is modular and offers unparalleled configurability in terms of power to energy ratio, which makes it the first dynamic energy storage system whose discharge duration can be matched exactly to the customer's needs.

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.

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.

The global flywheel energy storage market is projected to rise from USD 1.46 billion in 2025 to approximately USD 1.81 billion by 2034, registering a CAGR of 2.38%. The market is driven by rising demand for ...

EUROPE FLYWHEEL ENERGY STORAGE MARKET FORECAST 2020-2028 Europe Flywheel Energy Storage Market by Application (Uninterruptible Power Supply, Distributed Energy Generation, Transport, Data Centres, ...

The Europe flywheel energy storage Industry size was estimated at USD 1.17 billion in 2023 and is projected to surpass around USD 1.50 billion by 2033 at a CAGR of ...

The Europe Flywheel Energy Storage Market, valued at 8.52 billion in 2025, is anticipated to advance at a CAGR of 14.09% during 2026-2033, reaching 18.79 billion by ...

Historical Data and Forecast of Rest of Europe Flywheel Energy Storage Systems Market Revenues & Volume By Composite for the Period 2021 - 2031 Historical Data and Forecast of ...

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 ...

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