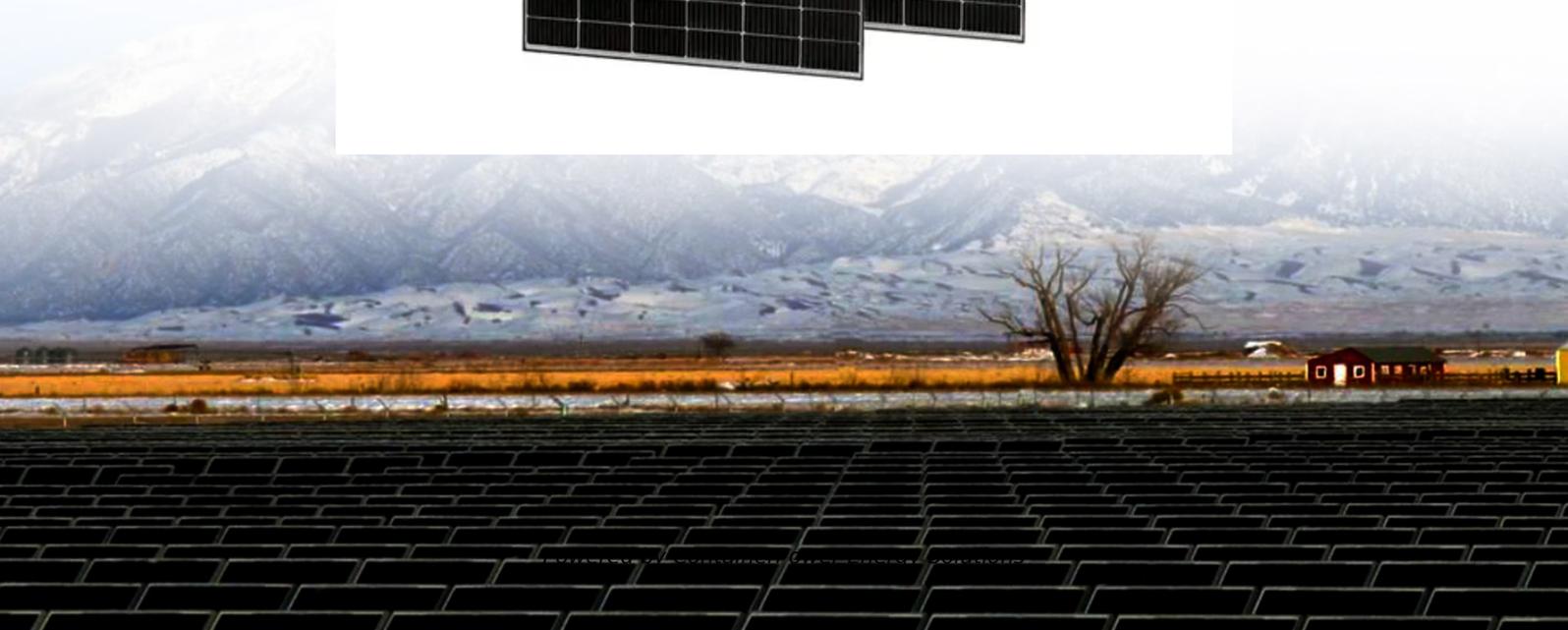
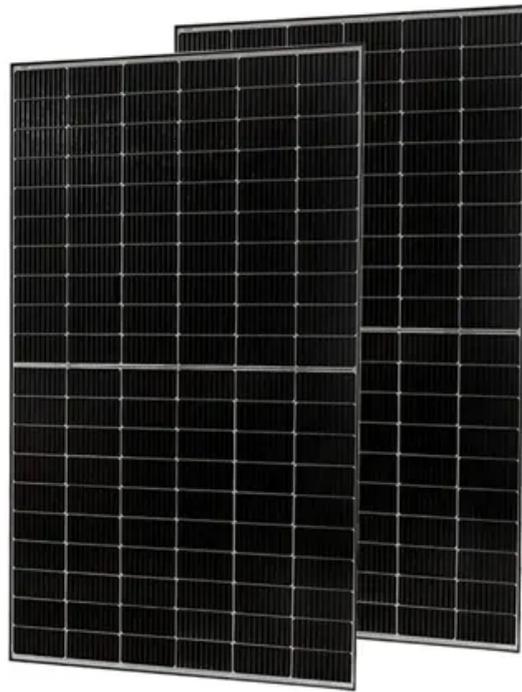


## ContainerPower Energy Solutions

# How many flywheel energy storage systems are there in North America



## Overview

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North America dominated the global flywheel energy storage systems market and accounted for the largest revenue share of over 78.15% in 2024. The U.S. Batteries dominate the market in North America, and flywheels are the most commonly used energy storage systems in this region.

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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 2025 to 2030. The market for Flywheel Energy Storage Systems (FESS) is experiencing significant growth driven by.

The North American Flywheel Energy Storage System (FESS) market is experiencing a notable surge driven by the region's increasing demand for reliable, efficient, and sustainable energy solutions. As the energy landscape shifts towards renewable sources and grid modernization, flywheel technology.

Flywheel Energy Storage Systems by Application (UPS, Electricity Grid, Transportation), by Types (Less than 500KW, 500-1000KW, More than 1000KW), by North America (United States, Canada, Mexico), by South America (Brazil, Argentina, Rest of South America), by Europe (United Kingdom, Germany).

The global flywheel energy storage market was valued at USD 1.3 billion in 2024 and is expected to reach a value of USD 1.9 billion by 2034, growing at a CAGR of 4.2% from 2025 to 2034. Flywheels are used for uninterruptible power supply (UPS) systems in data centers due to their instant response.

New York, NY – August 19, 2025 – The Global Flywheel Energy Storage Systems (FESS) Market is forecasted to grow from USD 412.3 million in 2024 to USD 1,003.3 million by 2034, achieving a CAGR of 9.3% from 2025 to 2034.

North America's USD 204.9 million investment in grid modernization has.

The flywheel energy storage market of North America is estimated to record a CAGR of 8.35% in terms of volume during the projected period of 2020-2028. In terms of revenue, the market region is expected to register a CAGR of 7.59% during this period. The increasing demand for UPS systems to.

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