

Global Flywheel Energy Storage Equipment Supply, Demand and Key Producers, 2024-2030

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Abstracts

The global Flywheel Energy Storage Equipment market size is expected to reach \$ 329.6 million by 2030, rising at a market growth of 22.6% CAGR during the forecast period (2024-2030).

Flywheel energy storage is a technology that converts mechanical energy into electrical energy, using a rotating flywheel to store energy. When electricity is needed, the flywheel converts mechanical energy into electrical energy through a connected generator, which is used by the power supply system. Flywheel energy storage equipment usually includes the rotating part (flywheel), bearing system, generator, electronic control system, and the housing and protection system of the energy storage system. One of the future development trends of flywheel energy storage equipment is to increase energy density to better cope with scenarios with higher capacity requirements, such as electric transportation. Flywheel energy storage systems may become more intelligent in the future, including more advanced electronic control systems, remote monitoring and adaptive control to improve the overall performance of the system.

This report studies the global Flywheel Energy Storage Equipment production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Flywheel Energy Storage Equipment, and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2023 as the base year. This report explores demand trends and competition, as well as details the characteristics of Flywheel Energy Storage Equipment that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Flywheel Energy Storage Equipment total production and demand, 2019-2030, (K Units)

Global Flywheel Energy Storage Equipment total production value, 2019-2030, (USD Million)

Global Flywheel Energy Storage Equipment production by region & country, production, value, CAGR, 2019-2030, (USD Million) & (K Units)

Global Flywheel Energy Storage Equipment consumption by region & country, CAGR, 2019-2030 & (K Units)

U.S. VS China: Flywheel Energy Storage Equipment domestic production, consumption, key domestic manufacturers and share

Global Flywheel Energy Storage Equipment production by manufacturer, production, price, value and market share 2019-2024, (USD Million) & (K Units)

Global Flywheel Energy Storage Equipment production by Type, production, value, CAGR, 2019-2030, (USD Million) & (K Units)

Global Flywheel Energy Storage Equipment production by Application production, value, CAGR, 2019-2030, (USD Million) & (K Units).

This reports profiles key players in the global Flywheel Energy Storage Equipment market based on the following parameters – company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Qingdao Kingking Applied Chemistry, Piller Power Systems, Powerthru, Temporal Power, Amber Kinetics, Rotor Clipper and Xinjiang Beiken Energy Engineering, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Flywheel Energy Storage Equipment market.

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2019-2030 by year with 2023 as the base year, 2024 as the estimate year, and 2025-2030 as the forecast year.

Global Flywheel Energy Storage Equipment Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Flywheel Energy Storage Equipment Market, Segmentation by Type

Mechanical Flywheel Energy Storage Equipment

Maglev Flywheel Energy Storage Equipment

Others

Global Flywheel Energy Storage Equipment Market, Segmentation by Application

Industrial

Electric Transportation

Aerospace

Companies Profiled:

Qingdao Kingking Applied Chemistry

Piller Power Systems

Powerthru

Temporal Power

Amber Kinetics

Rotor Clipper

Xinjiang Beiken Energy Engineering

Key Questions Answered

1. How big is the global Flywheel Energy Storage Equipment market?
2. What is the demand of the global Flywheel Energy Storage Equipment market?
3. What is the year over year growth of the global Flywheel Energy Storage Equipment market?
4. What is the production and production value of the global Flywheel Energy Storage Equipment market?
5. Who are the key producers in the global Flywheel Energy Storage Equipment market?

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