

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

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Abstracts

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

Flywheel energy storage refers to an energy storage method that uses an electric motor to drive a flywheel to rotate at high speed, converts electrical energy into kinetic energy and stores it, and then uses the flywheel to drive a generator to generate electricity when needed. Composite material flywheels are a series of products that mainly use high-performance continuous fibers (carbon fiber, glass fiber, etc.) as reinforcements, resin as the matrix, and are prepared into flywheel rotors using a winding forming process. They have the characteristics of light weight, high energy storage density, and long service life. , high safety performance and other advantages, it is gradually replacing metal material flywheels and becoming the first choice for the design and manufacturing of high-speed flywheels.

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

This report is a detailed and comprehensive analysis of the world market for Composite Material Energy Storage Flywheel, 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 Composite Material Energy Storage Flywheel that contribute to its increasing demand across many markets.

Highlights and key features of the study

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

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

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

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

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

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

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

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

This reports profiles key players in the global Composite Material Energy Storage Flywheel 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 Beacon Power, Boeing, Rotonix, Piller, Calnetix Technologies, ABB, POWERTHRU, Punch Flybrid and Amber Kinetic, 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 Composite Material Energy Storage Flywheel 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 Composite Material Energy Storage Flywheel Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Composite Material Energy Storage Flywheel Market, Segmentation by Type

Carbon Fibre

Fiberglass

Global Composite Material Energy Storage Flywheel Market, Segmentation by Application

UPS

Grid Frequency Modulation

Rail

Electric Vehicle Charging Pile

Other

Companies Profiled:

Beacon Power

Boeing

Rotonix

Piller

Calnetix Technologies

ABB

POWERTHRU

Punch Flybrid

Amber Kinetic

Kinetic Traction Systems

Stornetic

VYCON

Beijing Honghui Energy Development Co.,Ltd

Foryou Corporation

Xinjiang Beiken Energy Engineering Co., Ltd.

Sinomach-he

Zhangjiagang Guangda Special Material Co., Ltd.

JSTI Group Limited

Xiangtan Electric Manufacturing Co., Ltd.

Bjqfjn

Shenyang Vycon Flywheel Co., Ltd.

Key Questions Answered

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

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