

Global Battery Grade Vanadium Pentoxide Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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Abstracts

According to our (Global Info Research) latest study, the global Battery Grade Vanadium Pentoxide market size was valued at USD 106 million in 2023 and is forecast to a readjusted size of USD 178.7 million by 2030 with a CAGR of 7.8% during review period.

Vanadium pentoxide is gradually being used in the manufacture of lithium battery cathode materials and vanadium batteries.

China's policy on lithium-ion batteries mainly focuses on lithium-ion batteries. In 2015, in order to strengthen the management of lithium-ion battery industry and improve the development level of the industry, China formulated the Standard of Lithium-ion Battery Industry. the global sales of new energy vehicles reached 10.8 million units in 2022, with a year-on-year increase of 61.6%. In 2022, China new energy vehicle sales reached 6.8 million units, and the global share increased to 63.6%. In Q4 2022, sales penetration rate of China's new energy vehicle reached 27%, while the global average penetration rate was only 15%. Europe penetration was 19%, and North America penetration rate was only 6%. Lithium batteries will fully benefit from the high growth of downstream demand. According to the Ministry of Industry and Information Technology, China's lithium-ion battery production reached 750 GWh in 2022, up more than 130 percent year on year. Among them, the output of lithium energy storage battery exceeded 100 GWh, and the total output value of the industry exceeded 1.2 trillion yuan. The industrial application of lithium battery was also growing rapidly. In 2022, the loading capacity of new energy vehicle power battery was about 295 GWh, and the new energy vehicle power battery was about 295 GWh. According to our research, in 2022, the overall global lithium-ion battery shipments were 957GWh, a year-on-year increase

of 70%. Global vehicle power battery (EV LIB) shipments were 684GWh, a year-on-year increase of 84%; Energy storage battery (ESS LIB) shipments were 159.3GWh, a year-on-year increase of 140%.

The Global Info Research report includes an overview of the development of the Battery Grade Vanadium Pentoxide industry chain, the market status of Vanadium Flow Energy Storage Battery (2N, 3N), Lithium Battery (2N, 3N), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Battery Grade Vanadium Pentoxide.

Regionally, the report analyzes the Battery Grade Vanadium Pentoxide markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Battery Grade Vanadium Pentoxide market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Battery Grade Vanadium Pentoxide market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Battery Grade Vanadium Pentoxide industry.

The report involves analyzing the market at a macro level:

Market Sizing and Segmentation: Report collect data on the overall market size, including the sales quantity (Tons), revenue generated, and market share of different by Type (e.g., 2N, 3N).

Industry Analysis: Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Battery Grade Vanadium Pentoxide market.

Regional Analysis: The report involves examining the Battery Grade Vanadium Pentoxide market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

Market Projections: Report covers the gathered data and analysis to make future projections and forecasts for the Battery Grade Vanadium Pentoxide market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Battery Grade Vanadium Pentoxide:

Company Analysis: Report covers individual Battery Grade Vanadium Pentoxide manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

Consumer Analysis: Report covers data on consumer behaviour, preferences, and attitudes towards Battery Grade Vanadium Pentoxide. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Vanadium Flow Energy Storage Battery, Lithium Battery).

Technology Analysis: Report covers specific technologies relevant to Battery Grade Vanadium Pentoxide. It assesses the current state, advancements, and potential future developments in Battery Grade Vanadium Pentoxide areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the Battery Grade Vanadium Pentoxide market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

Market Validation: The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

Market Segmentation

Battery Grade Vanadium Pentoxide market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

Market segment by Type

2N

3N

Others

Market segment by Application

Vanadium Flow Energy Storage Battery

Lithium Battery

Others

Major players covered

U.S. Vanadium LLC

GfE

HBIS Group

Suzhou Donghua Fangui Co.Ltd.

Liaoyang Hengye Chemical Co., Ltd.

Hunan Huifeng High Energy Co., Ltd

Hunan Sanfeng Vanadium Industry Co., Ltd

BaiChuan Vanadium Industry

Market segment by region, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Battery Grade Vanadium Pentoxide product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Battery Grade Vanadium Pentoxide, with price, sales, revenue and global market share of Battery Grade Vanadium Pentoxide from 2019 to 2024.

Chapter 3, the Battery Grade Vanadium Pentoxide competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Battery Grade Vanadium Pentoxide breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2023. and Battery Grade Vanadium Pentoxide market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

Chapter 12, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Battery

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Chapter 14 and 15, to describe Battery Grade Vanadium Pentoxide sales channel, distributors, customers, research findings and conclusion.

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