

Global Rare Earth Hydrogen Storage Materials for Ni-MH batteries Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global Rare Earth Hydrogen Storage Materials for Ni-MH batteries market size was valued at US\$ 191 million in 2025 and is forecast to a readjusted size of US\$ 279 million by 2032 with a CAGR of 5.6% during review period.

Rare earth hydrogen storage materials used in nickel-metal hydride (Ni-MH) batteries are alloys composed of rare earth metals (such as lanthanum and cerium) combined with other metal elements (such as nickel, cobalt, and titanium). These alloys exhibit excellent hydrogen absorption and desorption capabilities. Rare earth hydrogen storage materials enable stable hydrogen storage and release during the battery's charge and discharge cycles, improving the energy density, cycle life, and safety of the battery. They are widely used in hybrid electric vehicles and some energy storage systems, playing a crucial role in achieving high performance and long life for Ni-MH batteries.

This report is a detailed and comprehensive analysis for global Rare Earth Hydrogen Storage Materials for Ni-MH batteries market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Rare Earth Hydrogen Storage Materials for Ni-MH batteries market size and forecasts, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2021-2032

Global Rare Earth Hydrogen Storage Materials for Ni-MH batteries market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2021-2032

Global Rare Earth Hydrogen Storage Materials for Ni-MH batteries market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2021-2032

Global Rare Earth Hydrogen Storage Materials for Ni-MH batteries market shares of main players, shipments in revenue (\$ Million), sales quantity (Tons), and ASP (US\$/Ton), 2021-2026

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Rare Earth Hydrogen Storage Materials for Ni-MH batteries

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Rare Earth Hydrogen Storage Materials for Ni-MH batteries market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include NIPPON DENKO, Japan Metals & Chemicals, Santoku, Xiamen Tungsten, China Northern Rare Earth, Jiangxi Tungsten, China Rare Earth Group, Anshan Xinpu New Materials, etc.

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

Market Segmentation

Rare Earth Hydrogen Storage Materials for Ni-MH batteries market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

AB5 Type (Lani5)

Non-AB5 Type

Market segment by Application

Automotive

Consumer Electronics

Other

Major players covered

NIPPON DENKO

Japan Metals & Chemicals

Santoku

Xiamen Tungsten

China Northern Rare Earth

Jiangxi Tungsten

China Rare Earth Group

Anshan Xinpu New Materials

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 Rare Earth Hydrogen Storage Materials for Ni-MH batteries product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Rare Earth Hydrogen Storage Materials for Ni-MH batteries, with price, sales quantity, revenue, and global market share of Rare Earth Hydrogen Storage Materials for Ni-MH batteries from 2021 to 2026.

Chapter 3, the Rare Earth Hydrogen Storage Materials for Ni-MH batteries competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Rare Earth Hydrogen Storage Materials for Ni-MH batteries breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

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 2021 to 2026. and Rare Earth Hydrogen Storage Materials for Ni-MH batteries market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

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 Rare Earth Hydrogen Storage Materials for Ni-MH batteries.

Chapter 14 and 15, to describe Rare Earth Hydrogen Storage Materials for Ni-MH batteries sales channel, distributors, customers, research findings and conclusion.

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