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Global Nickel Metal Hydride Rechargeable Battery 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 Nickel Metal Hydride Rechargeable Battery market size was valued at US$ 1803 million in 2025 and is forecast to a readjusted size of US$ 2169 million by 2032 with a CAGR of 2.7% during review period.

Nickel Metal Hydride Rechargeable Battery is a secondary battery that stores and releases energy through reversible electrochemical reactions between a nickel based positive electrode and a hydrogen absorbing metal alloy negative electrode, using an alkaline electrolyte. During charging, hydrogen is stored in the metal alloy and the nickel electrode is oxidized, and during discharge the process reverses to deliver power, making the chemistry well suited for robust cycling, moderate energy density, and applications that value safety, reliability, and wide temperature tolerance. The unit price of Nickel Metal Hydride Rechargeable Battery ranges from a few dollars to tens of dollars, with an industry gross profit margin between 15% and 25%.

Upstream, the supply chain centers on nickel chemicals for the positive electrode, hydrogen storage alloy materials for the negative electrode that typically combine rare earth or transition metal elements with nickel, alkaline electrolyte ingredients, separators, current collectors, steel cans and caps, safety vent components, insulating gaskets, and binders and conductive additives. Cell makers convert these inputs into electrode powders and pastes, coat and form electrodes, assemble cells in cylindrical, prismatic, or button formats, fill and seal electrolyte systems, and perform formation, aging, and electrical testing before grading and packaging. Downstream, batteries move through pack assemblers and OEM supply chains into consumer rechargeable cells, cordless home products, medical and industrial equipment, emergency lighting, and

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hybrid vehicle battery packs, supported by distributors and retail channels for replacement cells, and complemented by chargers, battery management and safety design at the pack level, and recycling networks that recover nickel and other metals from spent batteries.

This report is a detailed and comprehensive analysis for global Nickel Metal Hydride Rechargeable Battery 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 Nickel Metal Hydride Rechargeable Battery market size and forecasts, in consumption value ($ Million), sales quantity (K Units), and average selling prices (US$/Unit), 2021-2032

Global Nickel Metal Hydride Rechargeable Battery market size and forecasts by region and country, in consumption value ($ Million), sales quantity (K Units), and average selling prices (US$/Unit), 2021-2032

Global Nickel Metal Hydride Rechargeable Battery market size and forecasts, by Type and by Application, in consumption value ($ Million), sales quantity (K Units), and average selling prices (US$/Unit), 2021-2032

Global Nickel Metal Hydride Rechargeable Battery market shares of main players, shipments in revenue ($ Million), sales quantity (K Units), and ASP (US$/Unit), 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 Nickel Metal Hydride Rechargeable Battery
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 Nickel Metal Hydride Rechargeable Battery market based on the following parameters - company overview, sales quantity, revenue,

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price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include TOYOTA BATTERY, Panasonic Energy, VARTA, FDK, GP Batteries, Highpower Technology, CORUN, Grepow, Dongguan LongTTech, EPT Battery, etc.

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

Market Segmentation

Nickel Metal Hydride Rechargeable Battery 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

Cylindrical Cells

Prismatic Cells

Button Cells

Market segment by Design

Consumer Grade

Industrial Grade

Market segment by Application

Security

In-vehicle Applications

Medical

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Household Electric Appliances

Others

Major players covered

TOYOTA BATTERY

Panasonic Energy

VARTA

FDK

GP Batteries

Highpower Technology

CORUN

Grepow

Dongguan LongTTech

EPT Battery

Lexel Battery

BetterPower Battery

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

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& Africa)

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

Chapter 1, to describe Nickel Metal Hydride Rechargeable Battery product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Nickel Metal Hydride Rechargeable Battery, with price, sales quantity, revenue, and global market share of Nickel Metal Hydride Rechargeable Battery from 2021 to 2026.

Chapter 3, the Nickel Metal Hydride Rechargeable Battery competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Nickel Metal Hydride Rechargeable Battery 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 Nickel Metal Hydride Rechargeable Battery 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 Nickel Metal Hydride Rechargeable Battery.

Chapter 14 and 15, to describe Nickel Metal Hydride Rechargeable Battery sales channel, distributors, customers, research findings and conclusion.

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