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Global Nickel Metal Hydride (NiMH) Batteries for Electric Vehicles 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 (NiMH) Batteries for Electric Vehicles market size was valued at US$ 691 million in 2025 and is forecast to a readjusted size of US$ 1003 million by 2032 with a CAGR of 5.5% during review period.

Nickel-Metal Hydride (NiMH) Battery is a type of rechargeable energy storage device featuring a nickel hydroxide positive electrode, a hydrogen-absorbing alloy negative electrode, and an alkaline electrolyte (typically KOH). In the EV sector, it serves as a robust energy unit for hybrid systems, utilizing reversible hydrogen ion transfer for power. It is highly valued for its exceptional thermal stability, safety, and tolerance to overcharge or deep discharge. This report primarily studies the market on nickel metal hydride (NiMH) batteries for electric vehicles. In 2025, global sales of nickel?metal hydride (NiMH) batteries for electric vehicles reached 2.4 GWh, with an average selling price of approximately USD 280 per kWh.

The supply chain of nickel?metal hydride (NiMH) batteries for electric vehicles mainly consists of three segments: upstream raw materials and key material supply, midstream battery manufacturing, and downstream vehicle applications. The upstream segment includes suppliers of nickel, rare earth metals (such as lanthanum, cerium, praseodymium, and neodymium), as well as key materials including electrolytes, separators, and hydrogen storage alloys. The midstream segment comprises NiMH battery cell and battery pack manufacturers responsible for battery design, assembly, and system integration. The downstream segment mainly involves applications in hybrid electric vehicles and some electric vehicles, where automakers integrate the batteries into vehicle power systems. Overall, the supply chain is based on metal resources and

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functional materials, centered on battery manufacturing, and ultimately serves the new energy vehicle industry.

This report is a detailed and comprehensive analysis for global Nickel Metal Hydride (NiMH) Batteries for Electric Vehicles 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 (NiMH) Batteries for Electric Vehicles market size and forecasts, in consumption value ($ Million), sales quantity (KWh), and average selling prices (US$/KWh), 2021-2032

Global Nickel Metal Hydride (NiMH) Batteries for Electric Vehicles market size and forecasts by region and country, in consumption value ($ Million), sales quantity (KWh), and average selling prices (US$/KWh), 2021-2032

Global Nickel Metal Hydride (NiMH) Batteries for Electric Vehicles market size and forecasts, by Type and by Application, in consumption value ($ Million), sales quantity (KWh), and average selling prices (US$/KWh), 2021-2032

Global Nickel Metal Hydride (NiMH) Batteries for Electric Vehicles market shares of main players, shipments in revenue ($ Million), sales quantity (KWh), and ASP (US$/KWh), 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 (NiMH) Batteries for Electric Vehicles

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

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To assess competitive factors affecting the marketplace

This report profiles key players in the global Nickel Metal Hydride (NiMH) Batteries for Electric Vehicles 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 Primearth EV Energy (PEVE), Panasonic, Corun, FDK, BYD, GS Yuasa, Saft, etc.

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

Market Segmentation

Nickel Metal Hydride (NiMH) Batteries for Electric Vehicles 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

Prismatic Ni-MH

Large Cylindrical Ni-MH

Market segment by Chemical Composition

Rare-Earth Based / AB?

Ti-Zr Based / AB?

Market segment by Application

Passenger Cars

Commercial Vehicles

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Major players covered

Primearth EV Energy (PEVE)

Panasonic

Corun

FDK

BYD

GS Yuasa

Saft

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 Nickel Metal Hydride (NiMH) Batteries for Electric Vehicles product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Nickel Metal Hydride (NiMH) Batteries for

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Electric Vehicles, with price, sales quantity, revenue, and global market share of Nickel Metal Hydride (NiMH) Batteries for Electric Vehicles from 2021 to 2026.

Chapter 3, the Nickel Metal Hydride (NiMH) Batteries for Electric Vehicles competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Nickel Metal Hydride (NiMH) Batteries for Electric Vehicles 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 (NiMH) Batteries for Electric Vehicles 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 (NiMH) Batteries for Electric Vehicles.

Chapter 14 and 15, to describe Nickel Metal Hydride (NiMH) Batteries for Electric Vehicles sales channel, distributors, customers, research findings and conclusion.

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