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Global Nickel Metal Hydride (NiMH) Batteries for Electric Vehicles Market Growth 2026-2032

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Abstracts

The global Nickel Metal Hydride (NiMH) Batteries for Electric Vehicles market size is predicted to grow from US$ 657 million in 2025 to US$ 972 million in 2032; it is expected to grow at a CAGR of 5.8% from 2026 to 2032.

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

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United States market for Nickel Metal Hydride (NiMH) Batteries for Electric Vehicles is estimated to increase from US$ million in 2025 to US$ million by 2032, at a CAGR of % from 2026 through 2032.

China market for Nickel Metal Hydride (NiMH) Batteries for Electric Vehicles is estimated to increase from US$ million in 2025 to US$ million by 2032, at a CAGR of % from 2026 through 2032.

Europe market for Nickel Metal Hydride (NiMH) Batteries for Electric Vehicles is estimated to increase from US$ million in 2025 to US$ million by 2032, at a CAGR of % from 2026 through 2032.

Global key Nickel Metal Hydride (NiMH) Batteries for Electric Vehicles players cover Primearth EV Energy (PEVE), Panasonic, Corun, FDK, BYD, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2025.

LP Information, Inc. (LPI) ' newest research report, the ?Nickel Metal Hydride (NiMH) Batteries for Electric Vehicles Industry Forecast? looks at past sales and reviews total world Nickel Metal Hydride (NiMH) Batteries for Electric Vehicles sales in 2025, providing a comprehensive analysis by region and market sector of projected Nickel Metal Hydride (NiMH) Batteries for Electric Vehicles sales for 2026 through 2032. With Nickel Metal Hydride (NiMH) Batteries for Electric Vehicles sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US$ millions of the world Nickel Metal Hydride (NiMH) Batteries for Electric Vehicles industry.

This Insight Report provides a comprehensive analysis of the global Nickel Metal Hydride (NiMH) Batteries for Electric Vehicles landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Nickel Metal Hydride (NiMH) Batteries for Electric Vehicles portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms? unique position in an accelerating global Nickel Metal Hydride (NiMH) Batteries for Electric Vehicles market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Nickel Metal Hydride (NiMH) Batteries for Electric Vehicles and breaks down the forecast by Type, by Application, geography, and market

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size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Nickel Metal Hydride (NiMH) Batteries for Electric Vehicles.

This report presents a comprehensive overview, market shares, and growth opportunities of Nickel Metal Hydride (NiMH) Batteries for Electric Vehicles market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Prismatic Ni-MH

Large Cylindrical Ni-MH

Segmentation by Chemical Composition:

Rare-Earth Based / AB?

Ti-Zr Based / AB?

Segmentation by Application:

Passenger Cars

Commercial Vehicles

This report also splits the market by region:

Americas

United States

Canada

Mexico

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- Brazil

APAC

- China
- Japan
- Korea
- Southeast Asia
- India
- Australia

Europe

- Germany
- France
- UK
- Italy
- Russia

Middle East & Africa

- Egypt
- South Africa
- Israel
- Turkey

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GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

Primearth EV Energy (PEVE)

Panasonic

Corun

FDK

BYD

GS Yuasa

Saft

Key Questions Addressed in this Report

What is the 10-year outlook for the global Nickel Metal Hydride (NiMH) Batteries for Electric Vehicles market?

What factors are driving Nickel Metal Hydride (NiMH) Batteries for Electric Vehicles market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Nickel Metal Hydride (NiMH) Batteries for Electric Vehicles market opportunities vary by end market size?

How does Nickel Metal Hydride (NiMH) Batteries for Electric Vehicles break out by Type, by Application?

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