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Global Nickel-based Rechargeable Batteries Market Growth 2025-2031

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Abstracts

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The global Nickel-based Rechargeable Batteries market size is predicted to grow from US$ 1529 million in 2025 to US$ 1740 million in 2031; it is expected to grow at a CAGR of 2.2% from 2025 to 2031.

Nickel-based rechargeable batteries are a type of secondary battery that uses nickel compounds as one of the key components of the electrochemical reaction. The two most common types are Nickel-Cadmium (NiCd) and Nickel-Metal Hydride (NiMH) batteries. NiCd batteries offer high discharge rates and longer lifespans but suffer from memory effect and environmental concerns due to cadmium. NiMH batteries, on the other hand, have a higher energy density, are less prone to memory effect, and are more environmentally friendly, though they may still face issues like self-discharge over time. Nickel-based rechargeable batteries are widely used in consumer electronics, power tools, and hybrid vehicles due to their reliability and ability to handle numerous charge cycles.

United States market for Nickel-based Rechargeable Batteries is estimated to increase from US$ million in 2024 to US$ million by 2031, at a CAGR of % from 2025 through 2031.

China market for Nickel-based Rechargeable Batteries is estimated to increase from US$ million in 2024 to US$ million by 2031, at a CAGR of % from 2025 through 2031.

Europe market for Nickel-based Rechargeable Batteries is estimated to increase from US$ million in 2024 to US$ million by 2031, at a CAGR of % from 2025 through 2031.

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Global key Nickel-based Rechargeable Batteries players cover Panasonic, Energizer, BYD, Primearth EV Energy, FDK, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2024.

LP Information, Inc. (LPI) ' newest research report, the “Nickel-based Rechargeable Batteries Industry Forecast” looks at past sales and reviews total world Nickel-based Rechargeable Batteries sales in 2024, providing a comprehensive analysis by region and market sector of projected Nickel-based Rechargeable Batteries sales for 2025 through 2031. With Nickel-based Rechargeable Batteries sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US$ millions of the world Nickel-based Rechargeable Batteries industry.

This Insight Report provides a comprehensive analysis of the global Nickel-based Rechargeable Batteries 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-based Rechargeable Batteries portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms’ unique position in an accelerating global Nickel-based Rechargeable Batteries market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Nickel-based Rechargeable Batteries and breaks down the forecast by Type, by Application, geography, and market 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-based Rechargeable Batteries.

This report presents a comprehensive overview, market shares, and growth opportunities of Nickel-based Rechargeable Batteries market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

NiMH Battery

Nickel-cadmium Battery

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Nickel-zinc Battery

Nickel-iron Battery

Segmentation by Application:

Consumer Electronics

Hybrid Vehicles

Others

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

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Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

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.

Panasonic

Energizer

BYD

Primearth EV Energy

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FDK

GP Batteries

Shenzhen Highpower Technology

Hunan Corun New Energy

Henan Troily New Energy Technology

SAFT

Chunlan

Lexel Battery

LG Energy

Guangzhou Great Power Energy and Technology

Shenzhen EPT BATTERY

GS Yuasa

Key Questions Addressed in this Report

What is the 10-year outlook for the global Nickel-based Rechargeable Batteries market?

What factors are driving Nickel-based Rechargeable Batteries market growth, globally and by region?

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

How do Nickel-based Rechargeable Batteries market opportunities vary by end market size?

How does Nickel-based Rechargeable Batteries break out by Type, by Application?

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