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Global Nickel-based Secondary Batteries Market Growth 2025-2031

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Abstracts

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The global Nickel-based Secondary 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 secondary batteries are rechargeable batteries that use nickel as a key component in their chemistry. These batteries typically include nickel-cadmium (NiCd) and nickel-metal hydride (NiMH) types. In these batteries, nickel plays a crucial role in the positive electrode, while the negative electrode varies depending on the specific battery type. Nickel-based secondary batteries are known for their durability, ability to deliver high power output, and relatively long cycle life compared to other battery chemistries. They have been widely used in applications such as power tools, hybrid vehicles, and portable electronics, although their use has declined in favor of lithium-ion batteries due to energy density and environmental concerns.

United States market for Nickel-based Secondary 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 Secondary 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 Secondary 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 Secondary 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 Secondary Batteries Industry Forecast” looks at past sales and reviews total world Nickel-based Secondary Batteries sales in 2024, providing a comprehensive analysis by region and market sector of projected Nickel-based Secondary Batteries sales for 2025 through 2031. With Nickel-based Secondary 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 Secondary Batteries industry.

This Insight Report provides a comprehensive analysis of the global Nickel-based Secondary 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 Secondary 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 Secondary Batteries market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Nickel-based Secondary 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 Secondary Batteries.

This report presents a comprehensive overview, market shares, and growth opportunities of Nickel-based Secondary 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

Australia

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- 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
- FDK

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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 Secondary Batteries market?

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

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

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

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

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