

# Global Nickel Oxyhydroxide Battery Supply, Demand and Key Producers, 2026-2032

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## Abstracts

The global Nickel Oxyhydroxide Battery market size is expected to reach \$ 4896 million by 2032, rising at a market growth of 6.6% CAGR during the forecast period (2026-2032).

Nickel Oxyhydroxide Battery uses nickel oxyhydroxide (NiOOH) as the active positive electrode material and typically combines it with cadmium, metal hydride, zinc, or other negative electrode chemistries to store and release electrical energy through reversible redox reactions. These batteries are widely used in portable electronics, industrial backup systems, medical devices, power tools, hybrid vehicles, and grid-support applications because of their stable voltage output, good cycle life, and relatively high power density. The supply chain begins with upstream mining and refining of nickel ores, along with production of cobalt, rare earth materials, steel, separators, electrolytes, and conductive additives. Midstream processing converts refined nickel into nickel hydroxide and nickel oxyhydroxide cathode materials through chemical precipitation and oxidation processes, followed by electrode fabrication, cell assembly, electrolyte filling, sealing, formation cycling, and battery pack integration. Major battery manufacturers then supply finished cells and battery systems to downstream sectors such as consumer electronics, automotive, industrial equipment, renewable energy storage, aerospace, telecommunications, and healthcare industries, while recycling companies recover nickel and other metals from spent batteries to support circular material reuse and reduce raw material dependence. In 2025, global Nickel Oxyhydroxide Battery output was about 18 GWh with 22 GWh of capacity, average prices of USD 150–350 per kWh, and gross margins around 29%.

This report studies the global Nickel Oxyhydroxide Battery production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Nickel Oxyhydroxide Battery and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Nickel Oxyhydroxide Battery that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Nickel Oxyhydroxide Battery total production and demand, 2021-2032, (KWh)

Global Nickel Oxyhydroxide Battery total production value, 2021-2032, (USD Million)

Global Nickel Oxyhydroxide Battery production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (KWh), (based on production site)

Global Nickel Oxyhydroxide Battery consumption by region & country, CAGR, 2021-2032 & (KWh)

U.S. VS China: Nickel Oxyhydroxide Battery domestic production, consumption, key domestic manufacturers and share

Global Nickel Oxyhydroxide Battery production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (KWh)

Global Nickel Oxyhydroxide Battery production by Type, production, value, CAGR, 2021-2032, (USD Million) & (KWh)

Global Nickel Oxyhydroxide Battery production by Application, production, value, CAGR, 2021-2032, (USD Million) & (KWh)

This report profiles key players in the global Nickel Oxyhydroxide Battery market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Panasonic (Japan), GS Yuasa (Japan), Primearth EV Energy (Japan), BYD Company (China), Highpower Technology (China), GP Batteries (China), Saft Groupe (France), EnerSys (USA), VARTA (Germany), FDK Corp (Japan), etc.

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

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Nickel Oxyhydroxide Battery market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (KWh) and average price (US\$/KWh) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

#### Global Nickel Oxyhydroxide Battery Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

#### Global Nickel Oxyhydroxide Battery Market, Segmentation by Type:

Non-Rechargeable Type

Rechargeable Type

#### Global Nickel Oxyhydroxide Battery Market, Segmentation by Cycle Life:

300–700 Cycles

700–2,000 Cycles

>2,000 Cycles

## Global Nickel Oxyhydroxide Battery Market, Segmentation by Application:

Consumer Electronic

Automotive

Aerospace

Medical Device

Others

## Companies Profiled:

Panasonic (Japan)

GS Yuasa (Japan)

Primearth EV Energy (Japan)

BYD Company (China)

Highpower Technology (China)

GP Batteries (China)

Saft Groupe (France)

EnerSys (USA)

VARTA (Germany)

FDK Corp (Japan)

East Penn Manufacturing (USA)

Kokam (South Korea)

ZincFive (USA)

PowerGenix (USA)

Alcad (France)

Key Questions Answered:

1. How big is the global Nickel Oxyhydroxide Battery market?
2. What is the demand of the global Nickel Oxyhydroxide Battery market?
3. What is the year over year growth of the global Nickel Oxyhydroxide Battery market?
4. What is the production and production value of the global Nickel Oxyhydroxide Battery market?
5. Who are the key producers in the global Nickel Oxyhydroxide Battery market?
6. What are the growth factors driving the market demand?

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