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Global Rechargeable NiMH Button Cell Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Rechargeable NiMH Button Cell market size is expected to reach $ 67.63 million by 2032, rising at a market growth of 1.8% CAGR during the forecast period (2026-2032).

Rechargeable NiMH Button Cell is a compact rechargeable battery featuring a nickel hydroxide cathode and hydrogen-absorbing alloy anode, specifically engineered to provide stable voltage output, moderate energy density, and extended cycle life in miniature electronic applications. Its advantages include high charge-discharge efficiency, low memory effect, and reliable safety performance, making it particularly suitable for precision toys, medical instruments, and small-scale electronics where repeated cycling is required. In 2025, the capacity utilization rate was 55%, while the industry's average gross margin reached approximately 18%. Production in 2025 totaled 116 million units, with an average price of 0.5 USD per unit. The upstream supply relies on nickel hydroxide powder and hydrogen storage alloy powder, with representative suppliers including Sumitomo Metal Mining, Shandong Sinomine, and Huayou Cobalt. Midstream activities focus on electrode preparation, precise button cell assembly, sealing, and quality control to ensure consistent electrochemical performance and operational safety. Downstream demand is primarily driven by toys, medical devices, and small electronics, with key customers including Hasbro, Mattel, Medtronic, and Siemens Healthineers.

Rechargeable NiMH Button Cell is a compact secondary battery designed with a nickel hydroxide cathode and hydrogen-absorbing alloy anode, optimized for miniature electronic devices requiring repeated cycling with stable voltage output and moderate energy density. Its low memory effect, high charge-discharge efficiency, and reliable safety performance make it particularly suitable for precision toys, medical monitoring

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instruments, and small-scale consumer electronics. The current industry emphasizes consistent electrode quality, precise assembly, and effective sealing to maintain operational reliability and safety under repeated use. While mature segments such as toys and portable medical devices sustain steady demand, profitability increasingly relies on material cost control, process optimization, and serving applications with higher technical requirements. Companies that can combine precise manufacturing with durable performance maintain competitive advantages, highlighting the importance of operational efficiency in sustaining stable returns amid cost pressures.

This report studies the global Rechargeable NiMH Button Cell production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Rechargeable NiMH Button Cell 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 Rechargeable NiMH Button Cell that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Rechargeable NiMH Button Cell total production and demand, 2021-2032, (K Units)

Global Rechargeable NiMH Button Cell total production value, 2021-2032, (USD Million)

Global Rechargeable NiMH Button Cell production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)

Global Rechargeable NiMH Button Cell consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: Rechargeable NiMH Button Cell domestic production, consumption, key domestic manufacturers and share

Global Rechargeable NiMH Button Cell production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)

Global Rechargeable NiMH Button Cell production by Type, production, value, CAGR,

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2021-2032, (USD Million) & (K Units)

Global Rechargeable NiMH Button Cell production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global Rechargeable NiMH Button Cell 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 VARTA AG, Panasonic, Great Power, GP Batteries, Shenzhen Lidea Battery Co., Ltd., Shenzhen True Power Co., Ltd., Hunan Corun New Energy Co., Ltd., Shenzhen Delipow Technology Co., Ltd., Shenzhen Lepower Electronic Co., Ltd., Dongguan Kaiying Power Technology Co., Ltd., 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 Rechargeable NiMH Button Cell market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US$ Millions), volume (production, consumption) & (K Units) and average price (US$/Unit) 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 Rechargeable NiMH Button Cell Market, By Region:

United States

China

Europe

Japan

South Korea

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ASEAN

India

Rest of World

Global Rechargeable NiMH Button Cell Market, Segmentation by Type:

?50mAh

50-100mAh

Global Rechargeable NiMH Button Cell Market, Segmentation by Size:

NH40 (4.0 ? 2.0)

NH42 (4.2 ? 1.5)

NH45 (4.5 ? 2.0)

NH50 (5.0 ? 2.0)

Others

Global Rechargeable NiMH Button Cell Market, Segmentation by Sales Channel:

Online Sales

Offline Sales

Global Rechargeable NiMH Button Cell Market, Segmentation by Application:

Consumer Electronics

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Medical Devices

Toys

Others

Companies Profiled:

VARTA AG

Panasonic

Great Power

GP Batteries

Shenzhen Lidea Battery Co., Ltd.

Shenzhen True Power Co., Ltd.

Hunan Corun New Energy Co., Ltd.

Shenzhen Delipow Technology Co., Ltd.

Shenzhen Lepower Electronic Co., Ltd.

Dongguan Kaiying Power Technology Co., Ltd.

Key Questions Answered:

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

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Contents

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4 UNITED STATES VS CHINA VS REST OF THE WORLD

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5 MARKET ANALYSIS BY TYPE

6 MARKET ANALYSIS BY SIZE

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7 MARKET ANALYSIS BY SALES CHANNEL

8 MARKET ANALYSIS BY APPLICATION

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List Of Tables

LIST OF TABLES

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List Of Figures

LIST OF FIGURES

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