

# Global Lithium Nickel Oxide Market Growth 2026-2032

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## Abstracts

The global Lithium Nickel Oxide market size is predicted to grow from US\$ 3215 million in 2025 to US\$ 6146 million in 2032; it is expected to grow at a CAGR of 9.8% from 2026 to 2032.

Lithium Nickel Oxide is a layered lithium transition-metal oxide widely used as a high-energy-density cathode active material in rechargeable lithium-ion batteries, particularly as the nickel-rich base material for advanced cathodes such as NCA (Lithium Nickel Cobalt Aluminum Oxide) and high-nickel NCM/NMC (Lithium Nickel Cobalt Manganese Oxide) formulations. It offers high specific capacity and energy density but requires careful synthesis and stabilization due to its sensitivity to moisture, thermal instability, and cation mixing. The supply chain begins with upstream raw materials including nickel ores or nickel sulfate, lithium carbonate or lithium hydroxide, and specialty processing chemicals. Midstream manufacturers refine battery-grade nickel and lithium compounds, then produce  $\text{LiNiO}_2$  through co-precipitation, mixing, calcination, and surface-treatment processes to achieve the required crystal structure and electrochemical performance. Cathode material producers supply  $\text{LiNiO}_2$  powders to battery cell manufacturers, who integrate them into electrodes and lithium-ion cells. Downstream applications include electric vehicles (EVs), energy storage systems (ESS), consumer electronics, power tools, aerospace batteries, and other high-performance rechargeable battery systems. Recycling companies increasingly form a secondary supply chain by recovering nickel and lithium from spent batteries for reuse in cathode material production. In 2025, global Lithium Nickel Oxide output was about 320,000 tons with 380,000 tons of capacity, average prices of USD 8,000-18,000 per ton, and gross margins around 26%.

United States market for Lithium Nickel Oxide 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 Lithium Nickel Oxide 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 Lithium Nickel Oxide is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Global key Lithium Nickel Oxide players cover BASF (Germany), Umicore (Belgium), Nichia (Japan), Toda Kogyo (Japan), Tanaka Chemical (Japan), 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 "Lithium Nickel Oxide Industry Forecast" looks at past sales and reviews total world Lithium Nickel Oxide sales in 2025, providing a comprehensive analysis by region and market sector of projected Lithium Nickel Oxide sales for 2026 through 2032. With Lithium Nickel Oxide sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Lithium Nickel Oxide industry.

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

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Lithium Nickel Oxide 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 Lithium Nickel Oxide.

This report presents a comprehensive overview, market shares, and growth opportunities of Lithium Nickel Oxide market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Industrial Grade (95-99%)

High-Purity Grade (99?99.9%)

Ultra-High-Purity Grade (>99.9%)

Segmentation by Residual Lithium Content:

>0.5%

0.1?0.5%

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