

Global Ternary Lithium Cylindrical Cells for Power Bank Market Growth 2026-2032

<https://marketpublishers.com/r/G3044F36A894EN.html>

Date: July 2026

Pages: 114

Price: US\$ 3,660.00 (Single User License)

ID: G3044F36A894EN

Abstracts

The global Ternary Lithium Cylindrical Cells for Power Bank market size is predicted to grow from US\$ 1269 million in 2025 to US\$ 1636 million in 2032; it is expected to grow at a CAGR of 3.6% from 2026 to 2032.

Ternary Lithium Cylindrical Cells for Power Bank are lithium-ion cylindrical cells using ternary cathode chemistry and metal cylindrical casing structures, commonly in 18650 and 21700 formats, designed for portable power bank products that require higher energy density, stable discharge, and compact pack design. Compared with ordinary cylindrical cells, their advantages lie in higher capacity potential, better power output performance, mature automated manufacturing, stable batch consistency, strong thermal management, and stronger suitability for mid-to-high-capacity power banks, outdoor power supplies, high-power bidirectional fast charging, and high-frequency use scenarios. In 2025, production was approximately 998 million units and the average price was USD 1.3 per unit. The industry's capacity utilization rate in 2025 was about 75% and the average gross margin was around 20%. Upstream, the key materials include cathode materials, anode materials, electrolytes, and separators, with representative suppliers such as BTR, Shanshan, Tinci Materials, Capchem, Yunnan Energy New Material, and Senior Technology supporting the core material system for ternary lithium cylindrical cells. The midstream segment focuses on ternary cell design, winding process control, electrolyte injection, formation and grading, safety testing, consistency management, traceability control, and automated mass production, which together determine capacity stability, cycle life, discharge performance, safety reliability, compliance quality, and unit cost competitiveness. Downstream, Ternary Lithium Cylindrical Cells for Power Bank are mainly supplied to power bank manufacturers, with representative customers including Anker Innovations, Xiaomi, and Baseus.

Ternary Lithium Cylindrical Cells for Power Bank are likely to remain closely linked to the upgrade of portable power products toward higher capacity, faster charging, and more compact design. Their application value is strongest in mid-to-high-capacity power banks, outdoor power supplies, bidirectional fast-charging devices, and high-frequency charging scenarios, where energy density, discharge stability, and batch consistency directly affect user experience. As safety compliance becomes stricter, suppliers will need to balance higher capacity with thermal control, cycle life, and traceable quality management. Competition will focus on cathode chemistry optimization, automated manufacturing consistency, fast-charging adaptability, and long-term reliability, giving disciplined producers stronger customer retention.

LP Information, Inc. (LPI) ' newest research report, the "Ternary Lithium Cylindrical Cells for Power Bank Industry Forecast" looks at past sales and reviews total world Ternary Lithium Cylindrical Cells for Power Bank sales in 2025, providing a comprehensive analysis by region and market sector of projected Ternary Lithium Cylindrical Cells for Power Bank sales for 2026 through 2032. With Ternary Lithium Cylindrical Cells for Power Bank sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Ternary Lithium Cylindrical Cells for Power Bank industry.

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

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Ternary Lithium Cylindrical Cells for Power Bank 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 Ternary Lithium Cylindrical Cells for Power Bank.

This report presents a comprehensive overview, market shares, and growth opportunities of Ternary Lithium Cylindrical Cells for Power Bank market by product

type, application, key manufacturers and key regions and countries.

Segmentation by Type:

21700 Battery Cells

18650 Battery Cells

Others

Segmentation by Single-Cell Capacity:

3000mAh

4000mAh

5000mAh

Others

Segmentation by Discharge Rate:

Rate

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