

Global Ternary Lithium Cylindrical Cells for Power Bank Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global Ternary Lithium Cylindrical Cells for Power Bank market size was valued at US\$ 1335 million in 2025 and is forecast to a readjusted size of US\$ 1699 million by 2032 with a CAGR of 3.4% during review period.

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.

This report is a detailed and comprehensive analysis for global Ternary Lithium Cylindrical Cells for Power Bank market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Ternary Lithium Cylindrical Cells for Power Bank market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Ternary Lithium Cylindrical Cells for Power Bank market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Ternary Lithium Cylindrical Cells for Power Bank market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Ternary Lithium Cylindrical Cells for Power Bank market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2021-2026

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Ternary Lithium Cylindrical Cells for Power Bank

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Ternary Lithium Cylindrical Cells for Power Bank market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include EVE Energy (China), Sunpower (China), Lishen (China), BAK Battery (China), Greatpower (China), Tenpower (China), Hengdian Group DMEGC Magnetic (China), Ampace (China), Guangdong Greenway Technology (China), Zhenhua New Energy (China), etc.

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

Market Segmentation

Ternary Lithium Cylindrical Cells for Power Bank market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

21700 Battery Cells

18650 Battery Cells

Others

Market segment by Single-Cell Capacity

3000mAh

4000mAh

5000mAh

Others

Market segment by Discharge Rate

Rate

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