

Global Cylindrical Battery Cells for Power Bank Market Growth 2026-2032

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Abstracts

The global Cylindrical Battery Cells for Power Bank market size is predicted to grow from US\$ 1370 million in 2025 to US\$ 1751 million in 2032; it is expected to grow at a CAGR of 3.6% from 2026 to 2032.

Cylindrical Battery Cells for Power Banks refer to primary-packaged lithium-ion cells with a cylindrical metal casing, used in portable mobile power products. Common sizes include 18650 and 21700. These cells are characterized by high energy density, long cycle life, strong safety performance, and mature manufacturing processes. Compared with prismatic or pouch-type cells, cylindrical cells offer superior cell consistency, efficient thermal management, high automation compatibility, and cost-effectiveness. They have become a mainstream solution in mid-to-high-capacity power banks, particularly suited for outdoor power supplies, high-power bidirectional fast charging, and high-frequency usage scenarios.

In 2025, production was approximately 1,167 million units and the average price was USD 1.2 per unit. The industry's capacity utilization rate in 2025 was about 65% 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 cylindrical lithium-ion cells. The midstream segment focuses on cell design, winding process control, electrolyte injection, formation and grading, safety testing, consistency management, and automated mass production, which together determine cell capacity stability, cycle life, discharge performance, safety reliability, and unit cost competitiveness. Downstream, Cylindrical Battery Cells for Power Bank are mainly supplied to power bank manufacturers, with representative customers including Anker

Innovations, Xiaomi, Baseus.

As power banks move toward higher capacity, faster charging, and stricter safety compliance, cylindrical battery cells will continue to benefit from their standardized format and mature manufacturing base. Their value is no longer defined only by low cost, but by the ability to deliver stable discharge, consistent cell matching, and predictable thermal behavior in compact battery packs. For branded power bank manufacturers, reliable cylindrical cells help shorten product development cycles and support platform-based designs across different capacity ranges. Competitive suppliers will focus on energy density improvement, safety chemistry optimization, automated production control, and long-term quality consistency, which are becoming the core levers for profitability rather than simple capacity expansion.

LP Information, Inc. (LPI) ' newest research report, the "Cylindrical Battery Cells for Power Bank Industry Forecast" looks at past sales and reviews total world Cylindrical Battery Cells for Power Bank sales in 2025, providing a comprehensive analysis by region and market sector of projected Cylindrical Battery Cells for Power Bank sales for 2026 through 2032. With Cylindrical Battery 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 Cylindrical Battery Cells for Power Bank industry.

This Insight Report provides a comprehensive analysis of the global Cylindrical Battery 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 Cylindrical Battery 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 Cylindrical Battery Cells for Power Bank market.

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

This report presents a comprehensive overview, market shares, and growth

opportunities of Cylindrical Battery 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 Cathode Chemistry:

Ternary Lithium-Ion Cylindrical Cell

Lithium Iron Phosphate Cylindrical Cell

Others

Segmentation by Discharge Rate:

Rate

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