

Global Cylindrical Battery 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 Cylindrical Battery Cells for Power Bank market size was valued at US\$ 1441 million in 2025 and is forecast to a readjusted size of US\$ 1819 million by 2032 with a CAGR of 3.4% during review period.

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.

This report is a detailed and comprehensive analysis for global Cylindrical Battery 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 Cylindrical Battery 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 Cylindrical Battery 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 Cylindrical Battery 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 Cylindrical Battery 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 Cylindrical Battery 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 Cylindrical Battery 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

Cylindrical Battery 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 Cathode Chemistry

Ternary Lithium-Ion Cylindrical Cell

Lithium Iron Phosphate Cylindrical Cell

Others

Market segment by Discharge Rate

Rate

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