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Global Battery Cells for Power Bank Market Growth 2026-2032

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Abstracts

The global Battery Cells for Power Bank market size is predicted to grow from US$ 13064 million in 2025 to US$ 185862 million in 2032; it is expected to grow at a CAGR of 4.5% from 2026 to 2032.

Battery cells for power banks are lithium-ion battery units utilized for internal energy storage within portable power supplies. Common form factors include cylindrical cells, pouch cells, and prismatic cells. These cells primarily serve the functions of electrical energy storage, charge-discharge cycling, and output power support; they must be integrated with protection boards, boost/buck circuits, casings, interfaces, and thermal management structures to constitute a complete power bank product. In 2025, global sales volume for power bank battery cells is projected to reach approximately 1.86 billion units, with an average unit price of approximately US$1.18 and a capacity utilization rate of roughly 74%. Upstream enterprises in this sector primarily encompass suppliers of cathode materials, anode materials, electrolytes, separators, copper foil, aluminum foil, battery structural components, lithium salts, binders, conductive agents, and battery manufacturing equipment. Downstream enterprises mainly consist of power bank brands, consumer electronics OEMs, cross-border e-commerce firms, mobile phone accessory companies, outdoor power supply providers, corporate gift electronics specialists, and retail channel partners; the industry's average gross margin stands at approximately 17%. Regarding product cost structure, cathode materials account for approximately 31%, anode materials for 11%, electrolytes for 9%, separators for 8%, and copper/aluminum foils for 10%. Structural components and packaging materials account for about 7%, manufacturing energy consumption and labor for 9%, testing/sorting and safety certification for 5%, and depreciation, R&D, warranty, and after-sales services for 10%. The list of downstream demand applications includes standard power banks, fast-charging power banks, magnetic power banks, shared

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power bank services, small-scale outdoor energy storage devices, customized promotional power banks, airline-compliant power banks, digital accessory kits, and cross-border e-commerce consumer electronics products. Key downstream clients include Anker, Xiaomi, Romoss, Ugreen, Baseus, Pisen, authorized Philips accessory manufacturers, Belkin, Mophie, Samsung accessory channel partners, shared power bank operators, cross-border e-commerce sellers, and consumer electronics OEMs. In terms of business opportunities, policy-driven factors stem from lithium-ion battery safety certification, air transport regulations, quality oversight for consumer electronics, and battery recycling management requirements. Technological innovation is driven by advancements in high-energy-density cells, low-internal-resistance fast-charging cells, silicon-carbon anodes, long-cycle-life formulations, thermal management, high-consistency cell sorting, and intelligent protection algorithms. Meanwhile, shifting consumer demands are reflected in customers placing greater emphasis on lightweight and portable designs, fast-charging capabilities, safety and reliability, cycle life, accurate capacity ratings, brand credibility, and compact form factors.

Market demand for power bank battery cells is closely tied to smartphones, tablets, wireless earbuds, handheld gaming consoles, outdoor digital devices, and mobile work scenarios. Although standard power banks have reached a mature stage, ongoing trends toward fast charging, miniaturization, high capacity, and safety compliance continue to drive upgrades in battery cell specifications. By 2025, the focal point of industry competition will shift beyond mere low-cost capacity to emphasize cell consistency, high-rate performance, thermal management, cycle life, and safety certification capabilities. This is particularly true for fast-charging power banks?supporting outputs of 22.5W, 30W, 45W, 65W, and higher?which impose more stringent requirements on internal resistance, discharge rates, and thermal stability. While shared power banks and cross-border e-commerce products remain highly price-sensitive?thereby sustaining substantial shipment volumes for mid-to-low-end battery cells?branded power banks and magnetic power banks place greater emphasis on slim profiles, accurate capacity ratings, low heat generation, and long-term safety; this creates increased opportunities for high-quality pouch cells and high-rate cylindrical cells. Chinese enterprises demonstrate distinct advantages in consumer lithium-ion battery manufacturing, supply chain integration, and order fulfillment responsiveness; however, the industry still grapples with challenges such as product homogenization, fluctuating raw material prices, market disruption caused by low-priced products with inflated capacity claims, and increasingly stringent safety regulations for air transport. Future growth opportunities will primarily stem from the replacement cycle of fast-charging power banks, the expansion of magnetic charging ecosystems, the proliferation of portable outdoor devices, the branding of cross-border e-commerce

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products, and the phasing out of older, lower-safety products. Overall, battery cells for power banks constitute a consumer lithium-ion battery sub-market characterized by large scale and intense price competition, yet one that continues to undergo technological evolution; consequently, market share in the high-end segment will increasingly consolidate among enterprises that possess robust safety certifications, stable supply capabilities, capacity consistency, and fast-charging compatibility.

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

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

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

This report presents a comprehensive overview, market shares, and growth opportunities of Battery Cells for Power Bank market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Cylindrical Cell

Prismatic Cell

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Pouch Cell

Segmentation by Capacity:

5000?10000 mAh

> 10000 mAh

Segmentation by Magnification:

1C

2C

?3C

Segmentation by Application:

Household Power Bank

Automotive Power Bank

Aerospace-Grade Power Bank

Special Power Bank

Others

This report also splits the market by region:

Americas

United States

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Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

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Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

Panasonic (JP)

Samsung SDI (KR)

LG Energy Solution (KR)

EVE Energy Co., Ltd. (CN)

EVE Energy (CN)

Sunwoda (CN)

ATL (HK)

BAK (CN)

Changhong Sanjie (CN)

Lishen (CN)

BYD (CN)

Guangzhou Great Power Energy and Technology (CN)

Shenzhen Highpower Technology Co., Ltd. (CN)

Beijing Solid Core Energy Technology Co., Ltd. (CN)

Shenzhen Zhenhua New Energy (CN)

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Li-Fun Technology Co., Ltd. (CN)

Ganfeng Lithium Group Co., Ltd. (CN)

Dongguan Veken Battery Co., Ltd. (CN)

Dongguan Liwinon Energy Technology Co., Ltd. (CN)

Huizhou Marathon Solid State New Energy Battery Technology Co., Ltd. (CN)

Suzhou Dega Energy Technology Co., Ltd. (CN)

Key Questions Addressed in this Report
What is the 10-year outlook for the global Battery Cells for Power Bank market?
What factors are driving Battery Cells for Power Bank market growth, globally and by region?
Which technologies are poised for the fastest growth by market and region?
How do Battery Cells for Power Bank market opportunities vary by end market size?
How does Battery Cells for Power Bank break out by Type, by Application?

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Contents

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3 GLOBAL BY COMPANY

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4 WORLD HISTORIC REVIEW FOR BATTERY CELLS FOR POWER BANK BY GEOGRAPHIC REGION

5 AMERICAS

6 APAC

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List Of Tables

LIST OF TABLES

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List Of Figures

LIST OF FIGURES

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