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Global Battery Cells for Power Bank Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Battery Cells for Power Bank market size is expected to reach $ 192575 million by 2032, rising at a market growth of 4.2% CAGR during the forecast period (2026-2032).

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.

This report studies the global Battery Cells for Power Bank production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Battery Cells for Power Bank and provides market size (US$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Battery Cells for Power Bank that contribute to its increasing demand across many markets.

Highlights and key features of the study
Global Battery Cells for Power Bank total production and demand, 2021-2032, (Million Units)
Global Battery Cells for Power Bank total production value, 2021-2032, (USD Million)
Global Battery Cells for Power Bank production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Million Units), (based on production site)
Global Battery Cells for Power Bank consumption by region & country, CAGR, 2021-2032 & (Million Units)
U.S. VS China: Battery Cells for Power Bank domestic production, consumption, key domestic manufacturers and share
Global Battery Cells for Power Bank production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Million Units)
Global Battery Cells for Power Bank production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Million Units)
Global Battery Cells for Power Bank production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Million Units)

This report profiles key players in the global Battery Cells for Power Bank market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include 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), etc.

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

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Battery Cells for Power Bank market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US$ Millions), volume (production, consumption) & (Million Units) and average price (US$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Battery Cells for Power Bank Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Battery Cells for Power Bank Market, Segmentation by Type:

Cylindrical Cell

Prismatic Cell

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Pouch Cell

Global Battery Cells for Power Bank Market, Segmentation by Capacity:

5000–10000 mAh

> 10000 mAh

Global Battery Cells for Power Bank Market, Segmentation by Magnification:

1C

2C

?3C

Global Battery Cells for Power Bank Market, Segmentation by Application:

Household Power Bank

Automotive Power Bank

Aerospace-Grade Power Bank

Special Power Bank

Others

Companies Profiled:

Panasonic (JP)

Samsung SDI (KR)

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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)

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)

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Key Questions Answered:

1. How big is the global Battery Cells for Power Bank market?
2. What is the demand of the global Battery Cells for Power Bank market?
3. What is the year over year growth of the global Battery Cells for Power Bank market?
4. What is the production and production value of the global Battery Cells for Power Bank market?
5. Who are the key producers in the global Battery Cells for Power Bank market?
6. What are the growth factors driving the market demand?

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