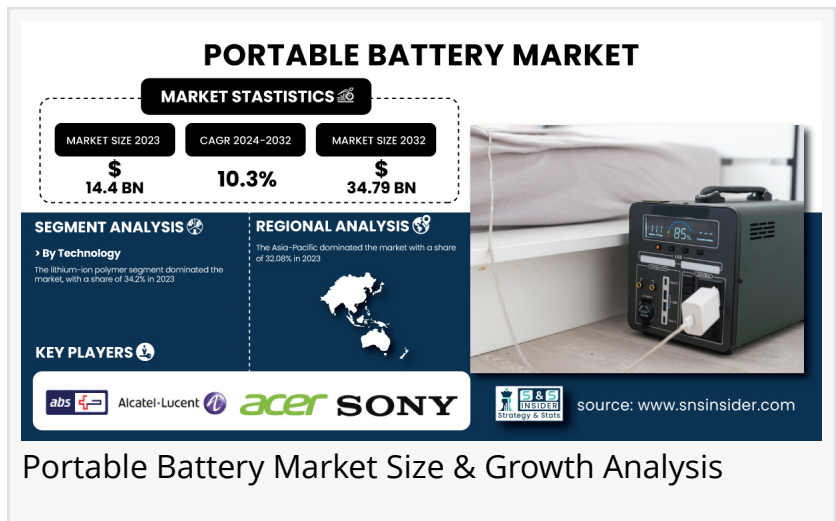


# Portable Battery Market to Reach USD 34.79 Billion by 2032, at 10.3% CAGR | SNS INSIDER

The Portable Battery Market is growing with demand for mobile power solutions in consumer electronics, EVs, and renewable energy storage.

AUSTIN, TX, UNITED STATES, February 20, 2025 /EINPresswire.com/ -- Market Size & Industry Insights

As Per the SNS Insider, "The [Portable Battery market](#) was valued at USD 14.4 billion in 2023 and is expected to grow to USD 34.79 billion by 2032, at a CAGR of 10.3% over the forecast period of 2024-2032."



The portable battery market is being fueled by demand for power backup solutions with the increasing use of smartphones and wearable devices and the growth of electric vehicles. The new battery technologies, including lithium-ion, and solid-state batteries, utilize better efficiency and durability. This increase in outdoor and remote work culture additionally drives demand. Furthermore, government programs encouraging energy storage solutions also bolster market growth. The ever-increasing dependence of consumers on electronic gadgets will keep this sector growing perpetually.

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SWOT Analysis of Key Players as follows:

- Advanced Battery Systems
- Sony Corporation
- Acer Inc
- Alcatel-Lucent
- Casio Computer Co.Ltd
- Dell Inc
- Sharp Electronics Corporation

- Nikon Corporation
- Seiko Holdings Corporation.
- Siemens
- TESLA
- SAMSUNG
- BYD
- PANASONIC CORPORATION
- JOHNSON CONTROLS

#### Key Market Segmentation:

**By Technology:** The Li-Ion polymer segment accounted for the dominant portable battery market share in 2023. Because these batteries have much higher flexibility in shape and size, they allow smartphone, wearable, and ultra-thin electronic device makers to design devices that use LiPo batteries easily. Additionally, their relatively low self-discharge rate and enhanced thermal operation stability facilitate wider use. Market growth is driven by the need for smaller and higher efficiency power solutions for consumer electronics, electric vehicles, and IoT devices.

**By Battery Capacity:** In 2023, the portable battery market share for the 3100-5000mAh segment accounted for the largest share, really owing to their wide application range that includes smartphones, tablets, and small electronic devices. Its capacity range is that sweet spot where portability meets enough surplus battery capacity to be useful, which is the sweet spot for consumers. The growing need for mobile gadgets with longer battery life, along with progress in fast-charging technology has added to its growth driver. In addition, the growing adoption of wearables and other wireless accessories, as well as IoT devices, have also led to the high market share of this segment.

**By Application:** The smartphone segment dominated the portable battery market share in 2023. As high-performance devices with premium displays, 5G connectivity, and resource-intensive applications become more prevalent, consumers are using portable batteries to prolong the user experience. Moreover, a growing need for power banks with fast charging and larger power backup capacities also made this segment a key revenue-generating fountain. We then discuss the other factors that helped in propelling the market growth such as the growth of mobile gaming and content streaming industry.

The automotive segment is expected to grow at the fastest CAGR from 2024-2032. With a worldwide push from governments and manufacturers alike for sustainable transportation, the automotive sector requires high-performance, portable energy storage products. The increasing adoption of electric vehicles (EVs), hybrid vehicles, and smart automotive systems is boosting demand for portable lithium-ion and solid-state batteries. Moreover, the development of fast-charging infrastructure alongside battery efficiency improvements, will make it the fastest-growing segment of the portable battery market.

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By Technology

Lithium-ion Polymer

Lead Acid

Nickel Metal Hydride

Nickel Cadmium

Others

By Battery Capacity

0-3,000mAh

3,100-5,000mAh

5,100-10,000mAh

Other

By Application

Tablets

Automotive

Smartphones

Others

Asia-Pacific Leads Portable Battery Market in 2023 while North America Grows Fastest by 2032

In 2023, Asia Pacific held the largest revenue share of the portable battery market by region due to the widespread penetration of smartphones, tablets & wearables in countries such as China, India, Japan, and South Korea. The region was facilitated by the presence of major battery companies and technology, and cheap labor. The rapid growth of the electric vehicle (EV) sector, coupled with government assistance for battery manufacturing and energy storage solutions, also contributed to the market growth. Furthermore, the rise in use of portable power banks for consumer electronics as well as rapid expansion of the e-commerce industry have further contributed and bolstered the prominence of the Asia-Pacific region.

The North America region will hold the fastest CAGR from 2024-2032 owing to the increasing request of electric vehicles (EVs), smart devices and portable energy storage solutions. These include the region's significant push towards sustainability, the availability of government incentives for EV adoption and progress in lithium-ion and solid-state battery technology. Furthermore, rising demand of power backup for residential and commercial sectors, along with the rising adoption of renewable energy storage systems will drive upon the growth of the market. North America will continue its top position as the fastest-growing region, driven by the presence of key technology players and sustained investments in R&D.

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