

Global Tabless Small Power Battery Cells 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 Tabless Small Power Battery Cells market size was valued at US\$ 815 million in 2025 and is forecast to a readjusted size of US\$ 4394 million by 2032 with a CAGR of 27.0% during review period.

Tabless Small Power Battery Cells are compact power-oriented lithium-ion cells using a tabless current-collection structure, designed to create wider current conduction paths, reduce internal resistance, enhance high-current discharge capability, and improve thermal stability under high-load operating conditions. Compared with conventional small power battery cells using standard tab structures, their advantages lie in stronger power output, faster heat spreading, more even current distribution, better cycle stability, and higher suitability for compact high-power equipment. In 2025, production was approximately 360 million units and the average price was USD 2.2 per unit. The industry's capacity utilization rate in 2025 was about 65% and the average gross margin was around 25%. Upstream, the key materials include cathode materials, anode materials, and separators, with representative suppliers such as BTR, Shanshan, and Yunnan Energy New Material supporting the core material system for high-performance lithium-ion cells. The midstream segment focuses on tabless small power cell structure design, electrode formulation, continuous current-collection path optimization, winding process control, electrode edge welding, electrolyte injection, formation and grading, safety testing, consistency management, thermal performance verification, and automated mass production, which together determine power output, heat dissipation, cycle life, safety reliability, and cost competitiveness. Downstream, Tabless Small Power Battery Cells are mainly used in power tools, electric two-wheelers, robots, drones, and other high-power small power equipment.

Tabless Small Power Battery Cells will be more closely tied to the upgrading of small power equipment from simple endurance to high-output performance. Their core value is not only higher discharge current, but also the ability to keep heat, resistance, and output consistency under control in compact battery packs. Power tools will continue to require stronger burst power, while electric two-wheelers need better acceleration response and stable energy release. Robots and drones place greater emphasis on lightweight design, pulse discharge, and reliable operation under changing loads. Future competition will depend on whether manufacturers can combine tabless structure, process consistency, thermal safety, and cost control into scalable production.

This report is a detailed and comprehensive analysis for global Tabless Small Power Battery Cells 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 Tabless Small Power Battery Cells market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Tabless Small Power Battery Cells 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 Tabless Small Power Battery Cells 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 Tabless Small Power Battery Cells 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 Tabless Small Power Battery Cells

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 Tabless Small Power Battery Cells 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), Ampace (China), Guangdong Greenway Technology (China), Tenpower (China), Reliance (China), BTCAP (China), etc.

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

Market Segmentation

Tabless Small Power Battery Cells 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 Single-Cell Capacity

4000mAh

5000mAh

Others

Market segment by Maximum Current

30A?Current

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