

Global Full Tab Small Power Battery Cells Market Growth 2026-2032

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Abstracts

The global Full Tab Small Power Battery Cells market size is predicted to grow from US\$ 775 million in 2025 to US\$ 4520 million in 2032; it is expected to grow at a CAGR of 28.6% from 2026 to 2032.

Full Tab Small Power Battery Cells are compact power-oriented lithium-ion cells using a full-tab current-collection structure, designed to deliver strong discharge capability, fast current transmission, improved heat dissipation, and stable output under high-load operating conditions. Compared with conventional small power battery cells using standard tab structures, their advantages lie in lower internal resistance, higher power output, better thermal control, stronger 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 full-tab small power cell structure design, electrode formulation, current-collection path optimization, winding process control, electrode 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, Full Tab Small Power Battery Cells are mainly used in power tools, electric two-wheelers, robots, drones, and other high-power small power equipment.

Full Tab Small Power Battery Cells will be driven by equipment that needs compact

size, high-current discharge, and stable power output under frequent load changes. In power tools, the full-tab structure supports instant torque release and continuous high-load operation. In electric two-wheelers, it helps improve acceleration response and thermal control during repeated start-stop use. Robots and drones place greater emphasis on pulse power, lightweight packs, and stable discharge under dynamic movement. As small power equipment shifts toward higher output and longer endurance, competition will focus on full-tab structure design, low-resistance current paths, welding consistency, heat dissipation, and high-power reliability.

LP Information, Inc. (LPI) ' newest research report, the "Full Tab Small Power Battery Cells Industry Forecast" looks at past sales and reviews total world Full Tab Small Power Battery Cells sales in 2025, providing a comprehensive analysis by region and market sector of projected Full Tab Small Power Battery Cells sales for 2026 through 2032. With Full Tab Small Power Battery Cells sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Full Tab Small Power Battery Cells industry.

This Insight Report provides a comprehensive analysis of the global Full Tab Small Power Battery Cells 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 Full Tab Small Power Battery Cells portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Full Tab Small Power Battery Cells market.

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

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

Segmentation by Type:

21700 Battery Cells

18650 Battery Cells

Others

Segmentation by Single-Cell Capacity:

4000mAh

5000mAh

Others

Segmentation by Maximum Current:

30A?Current

Contents

1 SCOPE OF THE REPORT

- 1.1 Market Introduction
- 1.2 Years Considered
- 1.3 Research Objectives
- 1.4 Market Research Methodology
- 1.5 Research Process and Data Source
- 1.6 Economic Indicators
- 1.7 Currency Considered
- 1.8 Market Estimation Caveats

2 EXECUTIVE SUMMARY

2.1 World Market Overview

- 2.1.1 Global Full Tab Small Power Battery Cells Annual Sales 2021-2032
- 2.1.2 World Current & Future Analysis for Full Tab Small Power Battery Cells by Geographic Region, 2021, 2025 & 2032
- 2.1.3 World Current & Future Analysis for Full Tab Small Power Battery Cells by Country/Region, 2021, 2025 & 2032

2.2 Full Tab Small Power Battery Cells Segment by Type

- 2.2.1 21700 Battery Cells
- 2.2.2 18650 Battery Cells
- 2.2.3 Others
- 2.2.4 Full Tab Small Power Battery Cells Sales by Type
 - 2.2.4.1 Global Full Tab Small Power Battery Cells Sales Market Share by Type (2021-2026)
 - 2.2.4.2 Global Full Tab Small Power Battery Cells Revenue and Market Share by Type (2021-2026)
 - 2.2.4.3 Global Full Tab Small Power Battery Cells Sale Price by Type (2021-2026)

2.3 Full Tab Small Power Battery Cells Segment by Single-Cell Capacity

- 2.3.1 4000mAh
- 2.3.2 5000mAh
- 2.3.3 Others
- 2.3.4 Full Tab Small Power Battery Cells Sales by Single-Cell Capacity
 - 2.3.4.1 Global Full Tab Small Power Battery Cells Sales Market Share by Single-Cell Capacity (2021-2026)
 - 2.3.4.2 Global Full Tab Small Power Battery Cells Revenue and Market Share by

Single-Cell Capacity (2021-2026)

2.3.4.3 Global Full Tab Small Power Battery Cells Sale Price by Single-Cell Capacity (2021-2026)

2.4 Full Tab Small Power Battery Cells Segment by Maximum Current

2.4.1 30A?Current

List Of Tables

LIST OF TABLES

Table 1. Full Tab Small Power Battery Cells Annual Sales CAGR by Geographic Region (2021, 2025 & 2032) & (\$ millions)

Table 2. Full Tab Small Power Battery Cells Annual Sales CAGR by Country/Region (2021, 2025 & 2032) & (\$ millions)

Table 3. Major Players of 21700 Battery Cells

Table 4. Major Players of 18650 Battery Cells

Table 5. Major Players of Others

Table 6. Global Full Tab Small Power Battery Cells Sales by Type (2021-2026) & (K Units)

Table 7. Global Full Tab Small Power Battery Cells Sales Market Share by Type (2021-2026)

Table 8. Global Full Tab Small Power Battery Cells Revenue by Type (2021-2026) & (\$ million)

Table 9. Global Full Tab Small Power Battery Cells Revenue Market Share by Type (2021-2026)

Table 10. Global Full Tab Small Power Battery Cells Sale Price by Type (2021-2026) & (US\$/Unit)

Table 11. Major Players of 4000mAh

Table 12. Major Players of 5000mAh

Table 13. Major Players of Others

Table 14. Global Full Tab Small Power Battery Cells Sales by Single-Cell Capacity (2021-2026) & (K Units)

Table 15. Global Full Tab Small Power Battery Cells Sales Market Share by Single-Cell Capacity (2021-2026)

Table 16. Global Full Tab Small Power Battery Cells Revenue by Single-Cell Capacity (2021-2026) & (\$ million)

Table 17. Global Full Tab Small Power Battery Cells Revenue Market Share by Single-Cell Capacity (2021-2026)

Table 18. Global Full Tab Small Power Battery Cells Sale Price by Single-Cell Capacity (2021-2026) & (US\$/Unit)

Table 19. Major Players of 30A?Current

List Of Figures

LIST OF FIGURES

- Figure 1. Picture of Full Tab Small Power Battery Cells
- Figure 2. Full Tab Small Power Battery Cells Report Years Considered
- Figure 3. Research Objectives
- Figure 4. Research Methodology
- Figure 5. Research Process and Data Source
- Figure 6. Global Full Tab Small Power Battery Cells Sales Growth Rate 2021-2032 (K Units)
- Figure 7. Global Full Tab Small Power Battery Cells Revenue Growth Rate 2021-2032 (\$ millions)
- Figure 8. Full Tab Small Power Battery Cells Sales by Geographic Region (2021, 2025 & 2032) & (\$ millions)
- Figure 9. Full Tab Small Power Battery Cells Sales Market Share by Country/Region (2025)
- Figure 10. Full Tab Small Power Battery Cells Sales Market Share by Country/Region (2021, 2025 & 2032)
- Figure 11. Product Picture of 21700 Battery Cells
- Figure 12. Product Picture of 18650 Battery Cells
- Figure 13. Product Picture of Others
- Figure 14. Global Full Tab Small Power Battery Cells Sales Market Share by Type in 2026
- Figure 15. Global Full Tab Small Power Battery Cells Revenue Market Share by Type (2021-2026)
- Figure 16. Product Picture of 4000mAh
- Figure 17. Product Picture of 5000mAh
- Figure 18. Product Picture of Others
- Figure 19. Global Full Tab Small Power Battery Cells Sales Market Share by Single-Cell Capacity in 2026
- Figure 20. Global Full Tab Small Power Battery Cells Revenue Market Share by Single-Cell Capacity (2021-2026)
- Figure 21. Product Picture of 30A?Current

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