

Global Tabless Small Cylindrical 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 Cylindrical Cells market size was valued at US\$ 854 million in 2025 and is forecast to a readjusted size of US\$ 4739 million by 2032 with a CAGR of 27.3% during review period.

Tabless Small Cylindrical Cells are small cylindrical lithium-ion cells using a tabless current-collection structure, designed to remove the limitations of discrete tabs and create a broader current path across the electrode edge, thereby improving high-rate output, thermal dissipation, and current distribution stability. Compared with conventional tab-type small cylindrical cells, their advantages lie in lower internal resistance, stronger discharge capability, better heat control, more stable cycle performance under high-load operation, and higher suitability for compact high-power battery packs. In 2025, production was approximately 415 million units and the average price was USD 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 cylindrical lithium-ion cells. The midstream segment focuses on tabless cell structure design, 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 Cylindrical Cells are mainly used in power tools, portable energy storage, and data center backup batteries.

Tabless Small Cylindrical Cells stand out because their tabless current-collection structure reduces current-path resistance and distributes current more evenly across the electrode edge. This gives the cell stronger high-rate discharge capability, faster heat spreading, lower internal resistance, and better stability under repeated high-load operation. For power tools, the advantage is instant high-current output and more durable performance during frequent start-stop use. For portable energy storage, it supports higher power release within a compact pack. For data center backup batteries, its value lies in stable pulse discharge, better consistency, and improved reliability during emergency power switching.

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

Global Tabless Small Cylindrical 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 Cylindrical 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 Cylindrical 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 Cylindrical 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 Cylindrical 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 Cylindrical 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

Contents

1 MARKET OVERVIEW

1.1 Product Overview and Scope

1.2 Market Estimation Caveats and Base Year

1.3 Market Analysis by Type

1.3.1 Overview: Global Tabless Small Cylindrical Cells Consumption Value by Type:
2021 Versus 2025 Versus 2032

1.3.2 21700 Battery Cells

1.3.3 18650 Battery Cells

1.3.4 Others

1.4 Market Analysis by Single-Cell Capacity

1.4.1 Overview: Global Tabless Small Cylindrical Cells Consumption Value by Single-
Cell Capacity: 2021 Versus 2025 Versus 2032

1.4.2 4000mAh

1.4.3 5000mAh

1.4.4 Others

1.5 Market Analysis by Maximum Current

1.5.1 Overview: Global Tabless Small Cylindrical Cells Consumption Value by
Maximum Current: 2021 Versus 2025 Versus 2032

1.5.2 30A?Current

List Of Tables

LIST OF TABLES

Table 1. GlobalTabless Small Cylindrical Cells Consumption Value by Type, (USD Million), 2021 & 2025 & 2032

Table 2. GlobalTabless Small Cylindrical Cells Consumption Value by Single-Cell Capacity, (USD Million), 2021 & 2025 & 2032

Table 3. GlobalTabless Small Cylindrical Cells Consumption Value by Maximum Current, (USD Million), 2021 & 2025 & 2032

Table 4. GlobalTabless Small Cylindrical Cells Consumption Value by Application, (USD Million), 2021 & 2025 & 2032

Table 5. EVE Energy (China) Basic Information, Manufacturing Base and Competitors

Table 6. EVE Energy (China) Major Business

Table 7. EVE Energy (China)Tabless Small Cylindrical Cells Product and Services

Table 8. EVE Energy (China)Tabless Small Cylindrical Cells Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 9. EVE Energy (China) Recent Developments/Updates

Table 10. Sunpower (China) Basic Information, Manufacturing Base and Competitors

Table 11. Sunpower (China) Major Business

Table 12. Sunpower (China)Tabless Small Cylindrical Cells Product and Services

Table 13. Sunpower (China)Tabless Small Cylindrical Cells Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 14. Sunpower (China) Recent Developments/Updates

Table 15. Lishen (China) Basic Information, Manufacturing Base and Competitors

Table 16. Lishen (China) Major Business

Table 17. Lishen (China)Tabless Small Cylindrical Cells Product and Services

Table 18. Lishen (China)Tabless Small Cylindrical Cells Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 19. Lishen (China) Recent Developments/Updates

Table 20. BAK Battery (China) Basic Information, Manufacturing Base and Competitors

Table 21. BAK Battery (China) Major Business

Table 22. BAK Battery (China)Tabless Small Cylindrical Cells Product and Services

Table 23. BAK Battery (China)Tabless Small Cylindrical Cells Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 24. BAK Battery (China) Recent Developments/Updates

Table 25. Greatpower (China) Basic Information, Manufacturing Base and Competitors

Table 26. Greatpower (China) Major Business

Table 27. Greatpower (China)Tabless Small Cylindrical Cells Product and Services

Table 28. Greatpower (China)Tabless Small Cylindrical Cells Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 29. Greatpower (China) Recent Developments/Updates

Table 30. Ampace (China) Basic Information, Manufacturing Base and Competitors

Table 31. Ampace (China) Major Business

Table 32. Ampace (China)Tabless Small Cylindrical Cells Product and Services

Table 33. Ampace (China)Tabless Small Cylindrical Cells Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 34. Ampace (China) Recent Developments/Updates

Table 35. Guangdong Greenway Technology (China) Basic Information, Manufacturing Base and Competitors

Table 36. Guangdong Greenway Technology (China) Major Business

Table 37. Guangdong Greenway Technology (China)Tabless Small Cylindrical Cells Product and Services

Table 38. Guangdong Greenway Technology (China)Tabless Small Cylindrical Cells Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 39. Guangdong Greenway Technology (China) Recent Developments/Updates

Table 40. Tenpower (China) Basic Information, Manufacturing Base and Competitors

Table 41. Tenpower (China) Major Business

Table 42. Tenpower (China)Tabless Small Cylindrical Cells Product and Services

Table 43. Tenpower (China)Tabless Small Cylindrical Cells Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 44. Tenpower (China) Recent Developments/Updates

Table 45. Reliance (China) Basic Information, Manufacturing Base and Competitors

Table 46. Reliance (China) Major Business

Table 47. Reliance (China)Tabless Small Cylindrical Cells Product and Services

Table 48. Reliance (China)Tabless Small Cylindrical Cells Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 49. Reliance (China) Recent Developments/Updates

Table 50. BTCAP (China) Basic Information, Manufacturing Base and Competitors

Table 51. BTCAP (China) Major Business

Table 52. BTCAP (China)Tableless Small Cylindrical Cells Product and Services

Table 53. BTCAP (China)Tableless Small Cylindrical Cells Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 54. BTCAP (China) Recent Developments/Updates

Table 55. Far East Battery (China) Basic Information, Manufacturing Base and Competitors

Table 56. Far East Battery (China) Major Business

Table 57. Far East Battery (China)Tableless Small Cylindrical Cells Product and Services

Table 58. Far East Battery (China)Tableless Small Cylindrical Cells Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 59. Far East Battery (China) Recent Developments/Updates

Table 60. Highstar (China) Basic Information, Manufacturing Base and Competitors

Table 61. Highstar (China) Major Business

Table 62. Highstar (China)Tableless Small Cylindrical Cells Product and Services

Table 63. Highstar (China)Tableless Small Cylindrical Cells Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 64. Highstar (China) Recent Developments/Updates

Table 65. GlobalTableless Small Cylindrical Cells Sales Quantity by Manufacturer (2021-2026) & (K Units)

Table 66. GlobalTableless Small Cylindrical Cells Revenue by Manufacturer (2021-2026) & (USD Million)

Table 67. GlobalTableless Small Cylindrical Cells Average Price by Manufacturer (2021-2026) & (US\$/Unit)

Table 68. Market Position of Manufacturers inTableless Small Cylindrical Cells, (Tier 1, Tier 2, and Tier 3), Based on Revenue in 2025

Table 69. Head Office andTableless Small Cylindrical Cells Production Site of Key Manufacturer

Table 70.Tableless Small Cylindrical Cells Market: Company Product Type Footprint

Table 71.Tableless Small Cylindrical Cells Market: Company Product Application Footprint

Table 72.Tableless Small Cylindrical Cells New Market Entrants and Barriers to Market Entry

Table 73.Tableless Small Cylindrical Cells Mergers, Acquisition, Agreements, and Collaborations

Table 74. GlobalTableless Small Cylindrical Cells Consumption Value by Region

(2021-2025-2032) & (USD Million) & CAGR

Table 75. GlobalTabless Small Cylindrical Cells Sales Quantity by Region (2021-2026) & (K Units)

Table 76. GlobalTabless Small Cylindrical Cells Sales Quantity by Region (2027-2032) & (K Units)

Table 77. GlobalTabless Small Cylindrical Cells Consumption Value by Region (2021-2026) & (USD Million)

Table 78. GlobalTabless Small Cylindrical Cells Consumption Value by Region (2027-2032) & (USD Million)

Table 79. GlobalTabless Small Cylindrical Cells Average Price by Region (2021-2026) & (US\$/Unit)

Table 80. GlobalTabless Small Cylindrical Cells Average Price by Region (2027-2032) & (US\$/Unit)

Table 81. GlobalTabless Small Cylindrical Cells Sales Quantity by Type (2021-2026) & (K Units)

Table 82. GlobalTabless Small Cylindrical Cells Sales Quantity by Type (2027-2032) & (K Units)

Table 83. GlobalTabless Small Cylindrical Cells Consumption Value by Type (2021-2026) & (USD Million)

Table 84. GlobalTabless Small Cylindrical Cells Consumption Value by Type (2027-2032) & (USD Million)

Table 85. GlobalTabless Small Cylindrical Cells Average Price by Type (2021-2026) & (US\$/Unit)

Table 86. GlobalTabless Small Cylindrical Cells Average Price by Type (2027-2032) & (US\$/Unit)

Table 87. GlobalTabless Small Cylindrical Cells Sales Quantity by Application (2021-2026) & (K Units)

Table 88. GlobalTabless Small Cylindrical Cells Sales Quantity by Application (2027-2032) & (K Units)

Table 89. GlobalTabless Small Cylindrical Cells Consumption Value by Application (2021-2026) & (USD Million)

Table 90. GlobalTabless Small Cylindrical Cells Consumption Value by Application (2027-2032) & (USD Million)

Table 91. GlobalTabless Small Cylindrical Cells Average Price by Application (2021-2026) & (US\$/Unit)

Table 92. GlobalTabless Small Cylindrical Cells Average Price by Application (2027-2032) & (US\$/Unit)

Table 93. North AmericaTabless Small Cylindrical Cells Sales Quantity by Type (2021-2026) & (K Units)

Table 94. North AmericaTabless Small Cylindrical Cells Sales Quantity by Type (2027-2032) & (K Units)

Table 95. North AmericaTabless Small Cylindrical Cells Sales Quantity by Application (2021-2026) & (K Units)

Table 96. North AmericaTabless Small Cylindrical Cells Sales Quantity by Application (2027-2032) & (K Units)

Table 97. North AmericaTabless Small Cylindrical Cells Sales Quantity by Country (2021-2026) & (K Units)

Table 98. North AmericaTabless Small Cylindrical Cells Sales Quantity by Country (2027-2032) & (K Units)

Table 99. North AmericaTabless Small Cylindrical Cells Consumption Value by Country (2021-2026) & (USD Million)

Table 100. North AmericaTabless Small Cylindrical Cells Consumption Value by Country (2027-2032) & (USD Million)

Table 101. EuropeTabless Small Cylindrical Cells Sales Quantity by Type (2021-2026) & (K Units)

Table 102. EuropeTabless Small Cylindrical Cells Sales Quantity by Type (2027-2032) & (K Units)

Table 103. EuropeTabless Small Cylindrical Cells Sales Quantity by Application (2021-2026) & (K Units)

Table 104. EuropeTabless Small Cylindrical Cells Sales Quantity by Application (2027-2032) & (K Units)

Table 105. EuropeTabless Small Cylindrical Cells Sales Quantity by Country (2021-2026) & (K Units)

Table 106. EuropeTabless Small Cylindrical Cells Sales Quantity by Country (2027-2032) & (K Units)

Table 107. EuropeTabless Small Cylindrical Cells Consumption Value by Country (2021-2026) & (USD Million)

Table 108. EuropeTabless Small Cylindrical Cells Consumption Value by Country (2027-2032) & (USD Million)

Table 109. Asia-PacificTabless Small Cylindrical Cells Sales Quantity by Type (2021-2026) & (K Units)

Table 110. Asia-PacificTabless Small Cylindrical Cells Sales Quantity by Type (2027-2032) & (K Units)

Table 111. Asia-PacificTabless Small Cylindrical Cells Sales Quantity by Application (2021-2026) & (K Units)

Table 112. Asia-PacificTabless Small Cylindrical Cells Sales Quantity by Application (2027-2032) & (K Units)

Table 113. Asia-PacificTabless Small Cylindrical Cells Sales Quantity by Region

(2021-2026) & (K Units)

Table 114. Asia-PacificTabless Small Cylindrical Cells Sales Quantity by Region

(2027-2032) & (K Units)

Table 115. Asia-PacificTabless Small Cylindrical Cells Consumption Value by Region

(2021-2026) & (USD Million)

Table 116. Asia-PacificTabless Small Cylindrical Cells Consumption Value by Region

(2027-2032) & (USD Million)

Table 117. South AmericaTabless Small Cylindrical Cells Sales Quantity by Type

(2021-2026) & (K Units)

Table 118. South AmericaTabless Small Cylindrical Cells Sales Quantity by Type

(2027-2032) & (K Units)

Table 119. South AmericaTabless Small Cylindrical Cells Sales Quantity by Application

(2021-2026) & (K Units)

Table 120. South AmericaTabless Small Cylindrical Cells Sales Quantity by Application

(2027-2032) & (K Units)

Table 121. South AmericaTabless Small Cylindrical Cells Sales Quantity by Country

(2021-2026) & (K Units)

Table 122. South AmericaTabless Small Cylindrical Cells Sales Quantity by Country

(2027-2032) & (K Units)

Table 123. South AmericaTabless Small Cylindrical Cells Consumption Value by Country (2021-2026) & (USD Million)

Table 124. South AmericaTabless Small Cylindrical Cells Consumption Value by Country (2027-2032) & (USD Million)

Table 125. Middle East & AfricaTabless Small Cylindrical Cells Sales Quantity by Type (2021-2026) & (K Units)

Table 126. Middle East & AfricaTabless Small Cylindrical Cells Sales Quantity by Type (2027-2032) & (K Units)

Table 127. Middle East & AfricaTabless Small Cylindrical Cells Sales Quantity by Application (2021-2026) & (K Units)

Table 128. Middle East & AfricaTabless Small Cylindrical Cells Sales Quantity by Application (2027-2032) & (K Units)

Table 129. Middle East & AfricaTabless Small Cylindrical Cells Sales Quantity by Country (2021-2026) & (K Units)

Table 130. Middle East & AfricaTabless Small Cylindrical Cells Sales Quantity by Country (2027-2032) & (K Units)

Table 131. Middle East & AfricaTabless Small Cylindrical Cells Consumption Value by Country (2021-2026) & (USD Million)

Table 132. Middle East & AfricaTabless Small Cylindrical Cells Consumption Value by Country (2027-2032) & (USD Million)

Table 133. Tableless Small Cylindrical Cells Raw Material

Table 134. Key Manufacturers of Tableless Small Cylindrical Cells Raw Materials

Table 135. Tableless Small Cylindrical Cells Typical Distributors

Table 136. Tableless Small Cylindrical Cells Typical Customers

List Of Figures

LIST OF FIGURES

Figure 1. Tabless Small Cylindrical Cells Picture

Figure 2. Global Tabless Small Cylindrical Cells Revenue by Type, (USD Million), 2021 & 2025 & 2032

Figure 3. Global Tabless Small Cylindrical Cells Revenue Market Share by Type in 2025

Figure 4. 21700 Battery Cells Examples

Figure 5. 18650 Battery Cells Examples

Figure 6. Others Examples

Figure 7. Global Tabless Small Cylindrical Cells Revenue by Single-Cell Capacity, (USD Million), 2021 & 2025 & 2032

Figure 8. Global Tabless Small Cylindrical Cells Revenue Market Share by Single-Cell Capacity in 2025

Figure 9. 4000mAh Examples

Figure 10. 5000mAh Examples

Figure 11. Others Examples

Figure 12. Global Tabless Small Cylindrical Cells Revenue by Maximum Current, (USD Million), 2021 & 2025 & 2032

Figure 13. Global Tabless Small Cylindrical Cells Revenue Market Share by Maximum Current in 2025

Figure 14. 30A?Current

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