

Global 18650 Cylindrical Lithium Ion Battery Market Growth 2024-2030

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Abstracts

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According to our LPI (LP Information) latest study, the global 18650 Cylindrical Lithium Ion Battery market size was valued at US\$ 5257.1 million in 2023. With growing demand in downstream market, the 18650 Cylindrical Lithium Ion Battery is forecast to a readjusted size of US\$ 6607.3 million by 2030 with a CAGR of 3.3% during review period.

The research report highlights the growth potential of the global 18650 Cylindrical Lithium Ion Battery market. 18650 Cylindrical Lithium Ion Battery are expected to show stable growth in the future market. However, product differentiation, reducing costs, and supply chain optimization remain crucial for the widespread adoption of 18650 Cylindrical Lithium Ion Battery. Market players need to invest in research and development, forge strategic partnerships, and align their offerings with evolving consumer preferences to capitalize on the immense opportunities presented by the 18650 Cylindrical Lithium Ion Battery market.

A lithium-ion battery or Li-ion battery is a type of rechargeable battery in which lithium ions move from the negative electrode to the positive electrode during discharge and back when charging. Li-ion batteries use an intercalated lithium compound as one electrode material, compared to the metallic lithium used in a non-rechargeable lithium battery. The electrolyte, which allows for ionic movement, and the two electrodes are the constituent components of a lithium-ion battery cell. Cells with a cylindrical shape are made in a characteristic 'swiss roll' manner, which means it is a single long sandwich of positive electrode, separator, negative electrode and separator rolled into a single spool. The main disadvantage of this method of construction is that the cell will

have a higher series inductance.

China's policy on lithium-ion batteries mainly focuses on lithium-ion batteries. In 2015, in order to strengthen the management of lithium-ion battery industry and improve the development level of the industry, China formulated the Standard of Lithium-ion Battery Industry. the global sales of new energy vehicles reached 10.8 million units in 2022, with a year-on-year increase of 61.6%. In 2022, China new energy vehicle sales reached 6.8 million units, and the global share increased to 63.6%. In Q4 2022, sales penetration rate of China's new energy vehicle reached 27%, while the global average penetration rate was only 15%. Europe penetration was 19%, and North America penetration rate was only 6%. Lithium batteries will fully benefit from the high growth of downstream demand. According to the Ministry of Industry and Information Technology, China's lithium-ion battery production reached 750 GWh in 2022, up more than 130 percent year on year. Among them, the output of lithium energy storage battery exceeded 100 GWh, and the total output value of the industry exceeded 1.2 trillion yuan. The industrial application of lithium battery was also growing rapidly. In 2022, the loading capacity of new energy vehicle power battery was about 295 GWh, and the new energy vehicle power battery was about 295 GWh. According to our research, in 2022, the overall global lithium-ion battery shipments were 957GWh, a year-on-year increase of 70%. Global vehicle power battery (EV LIB) shipments were 684GWh, a year-on-year increase of 84%; Energy storage battery (ESS LIB) shipments were 159.3GWh, a year-on-year increase of 140%.

Key Features:

The report on 18650 Cylindrical Lithium Ion Battery market reflects various aspects and provide valuable insights into the industry.

Market Size and Growth: The research report provide an overview of the current size and growth of the 18650 Cylindrical Lithium Ion Battery market. It may include historical data, market segmentation by Type (e.g., LiCoO₂ Battery, NMC Battery), and regional breakdowns.

Market Drivers and Challenges: The report can identify and analyse the factors driving the growth of the 18650 Cylindrical Lithium Ion Battery market, such as government regulations, environmental concerns, technological advancements, and changing consumer preferences. It can also highlight the challenges faced by the industry, including infrastructure limitations, range anxiety, and high upfront costs.

Competitive Landscape: The research report provides analysis of the competitive landscape within the 18650 Cylindrical Lithium Ion Battery market. It includes profiles of key players, their market share, strategies, and product offerings. The report can also highlight emerging players and their potential impact on the market.

Technological Developments: The research report can delve into the latest technological developments in the 18650 Cylindrical Lithium Ion Battery industry. This include advancements in 18650 Cylindrical Lithium Ion Battery technology, 18650 Cylindrical Lithium Ion Battery new entrants, 18650 Cylindrical Lithium Ion Battery new investment, and other innovations that are shaping the future of 18650 Cylindrical Lithium Ion Battery.

Downstream Procumbent Preference: The report can shed light on customer procumbent behaviour and adoption trends in the 18650 Cylindrical Lithium Ion Battery market. It includes factors influencing customer ' purchasing decisions, preferences for 18650 Cylindrical Lithium Ion Battery product.

Government Policies and Incentives: The research report analyse the impact of government policies and incentives on the 18650 Cylindrical Lithium Ion Battery market. This may include an assessment of regulatory frameworks, subsidies, tax incentives, and other measures aimed at promoting 18650 Cylindrical Lithium Ion Battery market. The report also evaluates the effectiveness of these policies in driving market growth.

Environmental Impact and Sustainability: The research report assess the environmental impact and sustainability aspects of the 18650 Cylindrical Lithium Ion Battery market.

Market Forecasts and Future Outlook: Based on the analysis conducted, the research report provide market forecasts and outlook for the 18650 Cylindrical Lithium Ion Battery industry. This includes projections of market size, growth rates, regional trends, and predictions on technological advancements and policy developments.

Recommendations and Opportunities: The report conclude with recommendations for industry stakeholders, policymakers, and investors. It highlights potential opportunities for market players to capitalize on emerging trends, overcome challenges, and contribute to the growth and development of the 18650 Cylindrical Lithium Ion Battery market.

Market Segmentation:

18650 Cylindrical Lithium Ion Battery market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

Segmentation by type

LiCoO₂ Battery

NMC Battery

LiFePO₄ Battery

Others

Segmentation by application

Power Banks

Laptop Battery Packs

Electric Vehicles

Flashlights

Cordless Power Tools

Others

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analyzing the company's coverage, product portfolio, its market penetration.

Panasonic(Sanyo)

Samsung SDI

LG Chem

Murata(Sony)

Hitachi

Tianjin Lishen

Hefei Guoxuan

Shenzhen Auto-Energy

OptimumNano

DLG Electronics

Zhuoneng New Energy

CHAM BATTERY

Padre Electronic

Key Questions Addressed in this Report

What is the 10-year outlook for the global 18650 Cylindrical Lithium Ion Battery market?

What factors are driving 18650 Cylindrical Lithium Ion Battery market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do 18650 Cylindrical Lithium Ion Battery market opportunities vary by end market size?

How does 18650 Cylindrical Lithium Ion Battery break out type, application?

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 18650 Cylindrical Lithium Ion Battery Annual Sales 2019-2030
 - 2.1.2 World Current & Future Analysis for 18650 Cylindrical Lithium Ion Battery by Geographic Region, 2019, 2023 & 2030
 - 2.1.3 World Current & Future Analysis for 18650 Cylindrical Lithium Ion Battery by Country/Region, 2019, 2023 & 2030
- 2.2 18650 Cylindrical Lithium Ion Battery Segment by Type
 - 2.2.1 LiCoO₂ Battery
 - 2.2.2 NMC Battery
 - 2.2.3 LiFePO₄ Battery
 - 2.2.4 Others
- 2.3 18650 Cylindrical Lithium Ion Battery Sales by Type
 - 2.3.1 Global 18650 Cylindrical Lithium Ion Battery Sales Market Share by Type (2019-2024)
 - 2.3.2 Global 18650 Cylindrical Lithium Ion Battery Revenue and Market Share by Type (2019-2024)
 - 2.3.3 Global 18650 Cylindrical Lithium Ion Battery Sale Price by Type (2019-2024)
- 2.4 18650 Cylindrical Lithium Ion Battery Segment by Application
 - 2.4.1 Power Banks
 - 2.4.2 Laptop Battery Packs
 - 2.4.3 Electric Vehicles
 - 2.4.4 Flashlights
 - 2.4.5 Cordless Power Tools
 - 2.4.6 Others

2.5 18650 Cylindrical Lithium Ion Battery Sales by Application

2.5.1 Global 18650 Cylindrical Lithium Ion Battery Sale Market Share by Application (2019-2024)

2.5.2 Global 18650 Cylindrical Lithium Ion Battery Revenue and Market Share by Application (2019-2024)

2.5.3 Global 18650 Cylindrical Lithium Ion Battery Sale Price by Application (2019-2024)

3 GLOBAL 18650 CYLINDRICAL LITHIUM ION BATTERY BY COMPANY

3.1 Global 18650 Cylindrical Lithium Ion Battery Breakdown Data by Company

3.1.1 Global 18650 Cylindrical Lithium Ion Battery Annual Sales by Company (2019-2024)

3.1.2 Global 18650 Cylindrical Lithium Ion Battery Sales Market Share by Company (2019-2024)

3.2 Global 18650 Cylindrical Lithium Ion Battery Annual Revenue by Company (2019-2024)

3.2.1 Global 18650 Cylindrical Lithium Ion Battery Revenue by Company (2019-2024)

3.2.2 Global 18650 Cylindrical Lithium Ion Battery Revenue Market Share by Company (2019-2024)

3.3 Global 18650 Cylindrical Lithium Ion Battery Sale Price by Company

3.4 Key Manufacturers 18650 Cylindrical Lithium Ion Battery Producing Area Distribution, Sales Area, Product Type

3.4.1 Key Manufacturers 18650 Cylindrical Lithium Ion Battery Product Location Distribution

3.4.2 Players 18650 Cylindrical Lithium Ion Battery Products Offered

3.5 Market Concentration Rate Analysis

3.5.1 Competition Landscape Analysis

3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2019-2024)

3.6 New Products and Potential Entrants

3.7 Mergers & Acquisitions, Expansion

4 WORLD HISTORIC REVIEW FOR 18650 CYLINDRICAL LITHIUM ION BATTERY BY GEOGRAPHIC REGION

4.1 World Historic 18650 Cylindrical Lithium Ion Battery Market Size by Geographic Region (2019-2024)

4.1.1 Global 18650 Cylindrical Lithium Ion Battery Annual Sales by Geographic Region (2019-2024)

4.1.2 Global 18650 Cylindrical Lithium Ion Battery Annual Revenue by Geographic Region (2019-2024)

4.2 World Historic 18650 Cylindrical Lithium Ion Battery Market Size by Country/Region (2019-2024)

4.2.1 Global 18650 Cylindrical Lithium Ion Battery Annual Sales by Country/Region (2019-2024)

4.2.2 Global 18650 Cylindrical Lithium Ion Battery Annual Revenue by Country/Region (2019-2024)

4.3 Americas 18650 Cylindrical Lithium Ion Battery Sales Growth

4.4 APAC 18650 Cylindrical Lithium Ion Battery Sales Growth

4.5 Europe 18650 Cylindrical Lithium Ion Battery Sales Growth

4.6 Middle East & Africa 18650 Cylindrical Lithium Ion Battery Sales Growth

5 AMERICAS

5.1 Americas 18650 Cylindrical Lithium Ion Battery Sales by Country

5.1.1 Americas 18650 Cylindrical Lithium Ion Battery Sales by Country (2019-2024)

5.1.2 Americas 18650 Cylindrical Lithium Ion Battery Revenue by Country (2019-2024)

5.2 Americas 18650 Cylindrical Lithium Ion Battery Sales by Type

5.3 Americas 18650 Cylindrical Lithium Ion Battery Sales by Application

5.4 United States

5.5 Canada

5.6 Mexico

5.7 Brazil

6 APAC

6.1 APAC 18650 Cylindrical Lithium Ion Battery Sales by Region

6.1.1 APAC 18650 Cylindrical Lithium Ion Battery Sales by Region (2019-2024)

6.1.2 APAC 18650 Cylindrical Lithium Ion Battery Revenue by Region (2019-2024)

6.2 APAC 18650 Cylindrical Lithium Ion Battery Sales by Type

6.3 APAC 18650 Cylindrical Lithium Ion Battery Sales by Application

6.4 China

6.5 Japan

6.6 South Korea

6.7 Southeast Asia

6.8 India

6.9 Australia

6.10 China Taiwan

7 EUROPE

7.1 Europe 18650 Cylindrical Lithium Ion Battery by Country

7.1.1 Europe 18650 Cylindrical Lithium Ion Battery Sales by Country (2019-2024)

7.1.2 Europe 18650 Cylindrical Lithium Ion Battery Revenue by Country (2019-2024)

7.2 Europe 18650 Cylindrical Lithium Ion Battery Sales by Type

7.3 Europe 18650 Cylindrical Lithium Ion Battery Sales by Application

7.4 Germany

7.5 France

7.6 UK

7.7 Italy

7.8 Russia

8 MIDDLE EAST & AFRICA

8.1 Middle East & Africa 18650 Cylindrical Lithium Ion Battery by Country

8.1.1 Middle East & Africa 18650 Cylindrical Lithium Ion Battery Sales by Country (2019-2024)

8.1.2 Middle East & Africa 18650 Cylindrical Lithium Ion Battery Revenue by Country (2019-2024)

8.2 Middle East & Africa 18650 Cylindrical Lithium Ion Battery Sales by Type

8.3 Middle East & Africa 18650 Cylindrical Lithium Ion Battery Sales by Application

8.4 Egypt

8.5 South Africa

8.6 Israel

8.7 Turkey

8.8 GCC Countries

9 MARKET DRIVERS, CHALLENGES AND TRENDS

9.1 Market Drivers & Growth Opportunities

9.2 Market Challenges & Risks

9.3 Industry Trends

10 MANUFACTURING COST STRUCTURE ANALYSIS

10.1 Raw Material and Suppliers

10.2 Manufacturing Cost Structure Analysis of 18650 Cylindrical Lithium Ion Battery

10.3 Manufacturing Process Analysis of 18650 Cylindrical Lithium Ion Battery

10.4 Industry Chain Structure of 18650 Cylindrical Lithium Ion Battery

11 MARKETING, DISTRIBUTORS AND CUSTOMER

11.1 Sales Channel

11.1.1 Direct Channels

11.1.2 Indirect Channels

11.2 18650 Cylindrical Lithium Ion Battery Distributors

11.3 18650 Cylindrical Lithium Ion Battery Customer

12 WORLD FORECAST REVIEW FOR 18650 CYLINDRICAL LITHIUM ION BATTERY BY GEOGRAPHIC REGION

12.1 Global 18650 Cylindrical Lithium Ion Battery Market Size Forecast by Region

12.1.1 Global 18650 Cylindrical Lithium Ion Battery Forecast by Region (2025-2030)

12.1.2 Global 18650 Cylindrical Lithium Ion Battery Annual Revenue Forecast by Region (2025-2030)

12.2 Americas Forecast by Country

12.3 APAC Forecast by Region

12.4 Europe Forecast by Country

12.5 Middle East & Africa Forecast by Country

12.6 Global 18650 Cylindrical Lithium Ion Battery Forecast by Type

12.7 Global 18650 Cylindrical Lithium Ion Battery Forecast by Application

13 KEY PLAYERS ANALYSIS

13.1 Panasonic(Sanyo)

13.1.1 Panasonic(Sanyo) Company Information

13.1.2 Panasonic(Sanyo) 18650 Cylindrical Lithium Ion Battery Product Portfolios and Specifications

13.1.3 Panasonic(Sanyo) 18650 Cylindrical Lithium Ion Battery Sales, Revenue, Price and Gross Margin (2019-2024)

13.1.4 Panasonic(Sanyo) Main Business Overview

13.1.5 Panasonic(Sanyo) Latest Developments

13.2 Samsung SDI

13.2.1 Samsung SDI Company Information

13.2.2 Samsung SDI 18650 Cylindrical Lithium Ion Battery Product Portfolios and Specifications

13.2.3 Samsung SDI 18650 Cylindrical Lithium Ion Battery Sales, Revenue, Price and Gross Margin (2019-2024)

13.2.4 Samsung SDI Main Business Overview

13.2.5 Samsung SDI Latest Developments

13.3 LG Chem

13.3.1 LG Chem Company Information

13.3.2 LG Chem 18650 Cylindrical Lithium Ion Battery Product Portfolios and Specifications

13.3.3 LG Chem 18650 Cylindrical Lithium Ion Battery Sales, Revenue, Price and Gross Margin (2019-2024)

13.3.4 LG Chem Main Business Overview

13.3.5 LG Chem Latest Developments

13.4 Murata(Sony)

13.4.1 Murata(Sony) Company Information

13.4.2 Murata(Sony) 18650 Cylindrical Lithium Ion Battery Product Portfolios and Specifications

13.4.3 Murata(Sony) 18650 Cylindrical Lithium Ion Battery Sales, Revenue, Price and Gross Margin (2019-2024)

13.4.4 Murata(Sony) Main Business Overview

13.4.5 Murata(Sony) Latest Developments

13.5 Hitachi

13.5.1 Hitachi Company Information

13.5.2 Hitachi 18650 Cylindrical Lithium Ion Battery Product Portfolios and Specifications

13.5.3 Hitachi 18650 Cylindrical Lithium Ion Battery Sales, Revenue, Price and Gross Margin (2019-2024)

13.5.4 Hitachi Main Business Overview

13.5.5 Hitachi Latest Developments

13.6 Tianjin Lishen

13.6.1 Tianjin Lishen Company Information

13.6.2 Tianjin Lishen 18650 Cylindrical Lithium Ion Battery Product Portfolios and Specifications

13.6.3 Tianjin Lishen 18650 Cylindrical Lithium Ion Battery Sales, Revenue, Price and Gross Margin (2019-2024)

13.6.4 Tianjin Lishen Main Business Overview

13.6.5 Tianjin Lishen Latest Developments

13.7 Hefei Guoxuan

13.7.1 Hefei Guoxuan Company Information

13.7.2 Hefei Guoxuan 18650 Cylindrical Lithium Ion Battery Product Portfolios and

Specifications

13.7.3 Hefei Guoxuan 18650 Cylindrical Lithium Ion Battery Sales, Revenue, Price and Gross Margin (2019-2024)

13.7.4 Hefei Guoxuan Main Business Overview

13.7.5 Hefei Guoxuan Latest Developments

13.8 Shenzhen Auto-Energy

13.8.1 Shenzhen Auto-Energy Company Information

13.8.2 Shenzhen Auto-Energy 18650 Cylindrical Lithium Ion Battery Product Portfolios and Specifications

13.8.3 Shenzhen Auto-Energy 18650 Cylindrical Lithium Ion Battery Sales, Revenue, Price and Gross Margin (2019-2024)

13.8.4 Shenzhen Auto-Energy Main Business Overview

13.8.5 Shenzhen Auto-Energy Latest Developments

13.9 OptimumNano

13.9.1 OptimumNano Company Information

13.9.2 OptimumNano 18650 Cylindrical Lithium Ion Battery Product Portfolios and Specifications

13.9.3 OptimumNano 18650 Cylindrical Lithium Ion Battery Sales, Revenue, Price and Gross Margin (2019-2024)

13.9.4 OptimumNano Main Business Overview

13.9.5 OptimumNano Latest Developments

13.10 DLG Electronics

13.10.1 DLG Electronics Company Information

13.10.2 DLG Electronics 18650 Cylindrical Lithium Ion Battery Product Portfolios and Specifications

13.10.3 DLG Electronics 18650 Cylindrical Lithium Ion Battery Sales, Revenue, Price and Gross Margin (2019-2024)

13.10.4 DLG Electronics Main Business Overview

13.10.5 DLG Electronics Latest Developments

13.11 Zhuoneng New Energy

13.11.1 Zhuoneng New Energy Company Information

13.11.2 Zhuoneng New Energy 18650 Cylindrical Lithium Ion Battery Product Portfolios and Specifications

13.11.3 Zhuoneng New Energy 18650 Cylindrical Lithium Ion Battery Sales, Revenue, Price and Gross Margin (2019-2024)

13.11.4 Zhuoneng New Energy Main Business Overview

13.11.5 Zhuoneng New Energy Latest Developments

13.12 CHAM BATTERY

13.12.1 CHAM BATTERY Company Information

13.12.2 CHAM BATTERY 18650 Cylindrical Lithium Ion Battery Product Portfolios and Specifications

13.12.3 CHAM BATTERY 18650 Cylindrical Lithium Ion Battery Sales, Revenue, Price and Gross Margin (2019-2024)

13.12.4 CHAM BATTERY Main Business Overview

13.12.5 CHAM BATTERY Latest Developments

13.13 Padre Electronic

13.13.1 Padre Electronic Company Information

13.13.2 Padre Electronic 18650 Cylindrical Lithium Ion Battery Product Portfolios and Specifications

13.13.3 Padre Electronic 18650 Cylindrical Lithium Ion Battery Sales, Revenue, Price and Gross Margin (2019-2024)

13.13.4 Padre Electronic Main Business Overview

13.13.5 Padre Electronic Latest Developments

14 RESEARCH FINDINGS AND CONCLUSION

List Of Tables

LIST OF TABLES

Table 1. 18650 Cylindrical Lithium Ion Battery Annual Sales CAGR by Geographic Region (2019, 2023 & 2030) & (\$ millions)

Table 2. 18650 Cylindrical Lithium Ion Battery Annual Sales CAGR by Country/Region (2019, 2023 & 2030) & (\$ millions)

Table 3. Major Players of LiCoO₂ Battery

Table 4. Major Players of NMC Battery

Table 5. Major Players of LiFePO₄ Battery

Table 6. Major Players of Others

Table 7. Global 18650 Cylindrical Lithium Ion Battery Sales by Type (2019-2024) & (K Pcs)

Table 8. Global 18650 Cylindrical Lithium Ion Battery Sales Market Share by Type (2019-2024)

Table 9. Global 18650 Cylindrical Lithium Ion Battery Revenue by Type (2019-2024) & (\$ million)

Table 10. Global 18650 Cylindrical Lithium Ion Battery Revenue Market Share by Type (2019-2024)

Table 11. Global 18650 Cylindrical Lithium Ion Battery Sale Price by Type (2019-2024) & (USD/Pcs)

Table 12. Global 18650 Cylindrical Lithium Ion Battery Sales by Application (2019-2024) & (K Pcs)

Table 13. Global 18650 Cylindrical Lithium Ion Battery Sales Market Share by Application (2019-2024)

Table 14. Global 18650 Cylindrical Lithium Ion Battery Revenue by Application (2019-2024)

Table 15. Global 18650 Cylindrical Lithium Ion Battery Revenue Market Share by Application (2019-2024)

Table 16. Global 18650 Cylindrical Lithium Ion Battery Sale Price by Application (2019-2024) & (USD/Pcs)

Table 17. Global 18650 Cylindrical Lithium Ion Battery Sales by Company (2019-2024) & (K Pcs)

Table 18. Global 18650 Cylindrical Lithium Ion Battery Sales Market Share by Company (2019-2024)

Table 19. Global 18650 Cylindrical Lithium Ion Battery Revenue by Company (2019-2024) (\$ Millions)

Table 20. Global 18650 Cylindrical Lithium Ion Battery Revenue Market Share by

Company (2019-2024)

Table 21. Global 18650 Cylindrical Lithium Ion Battery Sale Price by Company (2019-2024) & (USD/Pcs)

Table 22. Key Manufacturers 18650 Cylindrical Lithium Ion Battery Producing Area Distribution and Sales Area

Table 23. Players 18650 Cylindrical Lithium Ion Battery Products Offered

Table 24. 18650 Cylindrical Lithium Ion Battery Concentration Ratio (CR3, CR5 and CR10) & (2019-2024)

Table 25. New Products and Potential Entrants

Table 26. Mergers & Acquisitions, Expansion

Table 27. Global 18650 Cylindrical Lithium Ion Battery Sales by Geographic Region (2019-2024) & (K Pcs)

Table 28. Global 18650 Cylindrical Lithium Ion Battery Sales Market Share Geographic Region (2019-2024)

Table 29. Global 18650 Cylindrical Lithium Ion Battery Revenue by Geographic Region (2019-2024) & (\$ millions)

Table 30. Global 18650 Cylindrical Lithium Ion Battery Revenue Market Share by Geographic Region (2019-2024)

Table 31. Global 18650 Cylindrical Lithium Ion Battery Sales by Country/Region (2019-2024) & (K Pcs)

Table 32. Global 18650 Cylindrical Lithium Ion Battery Sales Market Share by Country/Region (2019-2024)

Table 33. Global 18650 Cylindrical Lithium Ion Battery Revenue by Country/Region (2019-2024) & (\$ millions)

Table 34. Global 18650 Cylindrical Lithium Ion Battery Revenue Market Share by Country/Region (2019-2024)

Table 35. Americas 18650 Cylindrical Lithium Ion Battery Sales by Country (2019-2024) & (K Pcs)

Table 36. Americas 18650 Cylindrical Lithium Ion Battery Sales Market Share by Country (2019-2024)

Table 37. Americas 18650 Cylindrical Lithium Ion Battery Revenue by Country (2019-2024) & (\$ Millions)

Table 38. Americas 18650 Cylindrical Lithium Ion Battery Revenue Market Share by Country (2019-2024)

Table 39. Americas 18650 Cylindrical Lithium Ion Battery Sales by Type (2019-2024) & (K Pcs)

Table 40. Americas 18650 Cylindrical Lithium Ion Battery Sales by Application (2019-2024) & (K Pcs)

Table 41. APAC 18650 Cylindrical Lithium Ion Battery Sales by Region (2019-2024) &

(K Pcs)

Table 42. APAC 18650 Cylindrical Lithium Ion Battery Sales Market Share by Region (2019-2024)

Table 43. APAC 18650 Cylindrical Lithium Ion Battery Revenue by Region (2019-2024) & (\$ Millions)

Table 44. APAC 18650 Cylindrical Lithium Ion Battery Revenue Market Share by Region (2019-2024)

Table 45. APAC 18650 Cylindrical Lithium Ion Battery Sales by Type (2019-2024) & (K Pcs)

Table 46. APAC 18650 Cylindrical Lithium Ion Battery Sales by Application (2019-2024) & (K Pcs)

Table 47. Europe 18650 Cylindrical Lithium Ion Battery Sales by Country (2019-2024) & (K Pcs)

Table 48. Europe 18650 Cylindrical Lithium Ion Battery Sales Market Share by Country (2019-2024)

Table 49. Europe 18650 Cylindrical Lithium Ion Battery Revenue by Country (2019-2024) & (\$ Millions)

Table 50. Europe 18650 Cylindrical Lithium Ion Battery Revenue Market Share by Country (2019-2024)

Table 51. Europe 18650 Cylindrical Lithium Ion Battery Sales by Type (2019-2024) & (K Pcs)

Table 52. Europe 18650 Cylindrical Lithium Ion Battery Sales by Application (2019-2024) & (K Pcs)

Table 53. Middle East & Africa 18650 Cylindrical Lithium Ion Battery Sales by Country (2019-2024) & (K Pcs)

Table 54. Middle East & Africa 18650 Cylindrical Lithium Ion Battery Sales Market Share by Country (2019-2024)

Table 55. Middle East & Africa 18650 Cylindrical Lithium Ion Battery Revenue by Country (2019-2024) & (\$ Millions)

Table 56. Middle East & Africa 18650 Cylindrical Lithium Ion Battery Revenue Market Share by Country (2019-2024)

Table 57. Middle East & Africa 18650 Cylindrical Lithium Ion Battery Sales by Type (2019-2024) & (K Pcs)

Table 58. Middle East & Africa 18650 Cylindrical Lithium Ion Battery Sales by Application (2019-2024) & (K Pcs)

Table 59. Key Market Drivers & Growth Opportunities of 18650 Cylindrical Lithium Ion Battery

Table 60. Key Market Challenges & Risks of 18650 Cylindrical Lithium Ion Battery

Table 61. Key Industry Trends of 18650 Cylindrical Lithium Ion Battery

Table 62. 18650 Cylindrical Lithium Ion Battery Raw Material
Table 63. Key Suppliers of Raw Materials
Table 64. 18650 Cylindrical Lithium Ion Battery Distributors List
Table 65. 18650 Cylindrical Lithium Ion Battery Customer List
Table 66. Global 18650 Cylindrical Lithium Ion Battery Sales Forecast by Region (2025-2030) & (K Pcs)
Table 67. Global 18650 Cylindrical Lithium Ion Battery Revenue Forecast by Region (2025-2030) & (\$ millions)
Table 68. Americas 18650 Cylindrical Lithium Ion Battery Sales Forecast by Country (2025-2030) & (K Pcs)
Table 69. Americas 18650 Cylindrical Lithium Ion Battery Revenue Forecast by Country (2025-2030) & (\$ millions)
Table 70. APAC 18650 Cylindrical Lithium Ion Battery Sales Forecast by Region (2025-2030) & (K Pcs)
Table 71. APAC 18650 Cylindrical Lithium Ion Battery Revenue Forecast by Region (2025-2030) & (\$ millions)
Table 72. Europe 18650 Cylindrical Lithium Ion Battery Sales Forecast by Country (2025-2030) & (K Pcs)
Table 73. Europe 18650 Cylindrical Lithium Ion Battery Revenue Forecast by Country (2025-2030) & (\$ millions)
Table 74. Middle East & Africa 18650 Cylindrical Lithium Ion Battery Sales Forecast by Country (2025-2030) & (K Pcs)
Table 75. Middle East & Africa 18650 Cylindrical Lithium Ion Battery Revenue Forecast by Country (2025-2030) & (\$ millions)
Table 76. Global 18650 Cylindrical Lithium Ion Battery Sales Forecast by Type (2025-2030) & (K Pcs)
Table 77. Global 18650 Cylindrical Lithium Ion Battery Revenue Forecast by Type (2025-2030) & (\$ Millions)
Table 78. Global 18650 Cylindrical Lithium Ion Battery Sales Forecast by Application (2025-2030) & (K Pcs)
Table 79. Global 18650 Cylindrical Lithium Ion Battery Revenue Forecast by Application (2025-2030) & (\$ Millions)
Table 80. Panasonic(Sanyo) Basic Information, 18650 Cylindrical Lithium Ion Battery Manufacturing Base, Sales Area and Its Competitors
Table 81. Panasonic(Sanyo) 18650 Cylindrical Lithium Ion Battery Product Portfolios and Specifications
Table 82. Panasonic(Sanyo) 18650 Cylindrical Lithium Ion Battery Sales (K Pcs), Revenue (\$ Million), Price (USD/Pcs) and Gross Margin (2019-2024)
Table 83. Panasonic(Sanyo) Main Business

Table 84. Panasonic(Sanyo) Latest Developments

Table 85. Samsung SDI Basic Information, 18650 Cylindrical Lithium Ion Battery Manufacturing Base, Sales Area and Its Competitors

Table 86. Samsung SDI 18650 Cylindrical Lithium Ion Battery Product Portfolios and Specifications

Table 87. Samsung SDI 18650 Cylindrical Lithium Ion Battery Sales (K Pcs), Revenue (\$ Million), Price (USD/Pcs) and Gross Margin (2019-2024)

Table 88. Samsung SDI Main Business

Table 89. Samsung SDI Latest Developments

Table 90. LG Chem Basic Information, 18650 Cylindrical Lithium Ion Battery Manufacturing Base, Sales Area and Its Competitors

Table 91. LG Chem 18650 Cylindrical Lithium Ion Battery Product Portfolios and Specifications

Table 92. LG Chem 18650 Cylindrical Lithium Ion Battery Sales (K Pcs), Revenue (\$ Million), Price (USD/Pcs) and Gross Margin (2019-2024)

Table 93. LG Chem Main Business

Table 94. LG Chem Latest Developments

Table 95. Murata(Sony) Basic Information, 18650 Cylindrical Lithium Ion Battery Manufacturing Base, Sales Area and Its Competitors

Table 96. Murata(Sony) 18650 Cylindrical Lithium Ion Battery Product Portfolios and Specifications

Table 97. Murata(Sony) 18650 Cylindrical Lithium Ion Battery Sales (K Pcs), Revenue (\$ Million), Price (USD/Pcs) and Gross Margin (2019-2024)

Table 98. Murata(Sony) Main Business

Table 99. Murata(Sony) Latest Developments

Table 100. Hitachi Basic Information, 18650 Cylindrical Lithium Ion Battery Manufacturing Base, Sales Area and Its Competitors

Table 101. Hitachi 18650 Cylindrical Lithium Ion Battery Product Portfolios and Specifications

Table 102. Hitachi 18650 Cylindrical Lithium Ion Battery Sales (K Pcs), Revenue (\$ Million), Price (USD/Pcs) and Gross Margin (2019-2024)

Table 103. Hitachi Main Business

Table 104. Hitachi Latest Developments

Table 105. Tianjin Lishen Basic Information, 18650 Cylindrical Lithium Ion Battery Manufacturing Base, Sales Area and Its Competitors

Table 106. Tianjin Lishen 18650 Cylindrical Lithium Ion Battery Product Portfolios and Specifications

Table 107. Tianjin Lishen 18650 Cylindrical Lithium Ion Battery Sales (K Pcs), Revenue (\$ Million), Price (USD/Pcs) and Gross Margin (2019-2024)

Table 108. Tianjin Lishen Main Business

Table 109. Tianjin Lishen Latest Developments

Table 110. Hefei Guoxuan Basic Information, 18650 Cylindrical Lithium Ion Battery Manufacturing Base, Sales Area and Its Competitors

Table 111. Hefei Guoxuan 18650 Cylindrical Lithium Ion Battery Product Portfolios and Specifications

Table 112. Hefei Guoxuan 18650 Cylindrical Lithium Ion Battery Sales (K Pcs), Revenue (\$ Million), Price (USD/Pcs) and Gross Margin (2019-2024)

Table 113. Hefei Guoxuan Main Business

Table 114. Hefei Guoxuan Latest Developments

Table 115. Shenzhen Auto-Energy Basic Information, 18650 Cylindrical Lithium Ion Battery Manufacturing Base, Sales Area and Its Competitors

Table 116. Shenzhen Auto-Energy 18650 Cylindrical Lithium Ion Battery Product Portfolios and Specifications

Table 117. Shenzhen Auto-Energy 18650 Cylindrical Lithium Ion Battery Sales (K Pcs), Revenue (\$ Million), Price (USD/Pcs) and Gross Margin (2019-2024)

Table 118. Shenzhen Auto-Energy Main Business

Table 119. Shenzhen Auto-Energy Latest Developments

Table 120. OptimumNano Basic Information, 18650 Cylindrical Lithium Ion Battery Manufacturing Base, Sales Area and Its Competitors

Table 121. OptimumNano 18650 Cylindrical Lithium Ion Battery Product Portfolios and Specifications

Table 122. OptimumNano 18650 Cylindrical Lithium Ion Battery Sales (K Pcs), Revenue (\$ Million), Price (USD/Pcs) and Gross Margin (2019-2024)

Table 123. OptimumNano Main Business

Table 124. OptimumNano Latest Developments

Table 125. DLG Electronics Basic Information, 18650 Cylindrical Lithium Ion Battery Manufacturing Base, Sales Area and Its Competitors

Table 126. DLG Electronics 18650 Cylindrical Lithium Ion Battery Product Portfolios and Specifications

Table 127. DLG Electronics 18650 Cylindrical Lithium Ion Battery Sales (K Pcs), Revenue (\$ Million), Price (USD/Pcs) and Gross Margin (2019-2024)

Table 128. DLG Electronics Main Business

Table 129. DLG Electronics Latest Developments

Table 130. Zhuoneng New Energy Basic Information, 18650 Cylindrical Lithium Ion Battery Manufacturing Base, Sales Area and Its Competitors

Table 131. Zhuoneng New Energy 18650 Cylindrical Lithium Ion Battery Product Portfolios and Specifications

Table 132. Zhuoneng New Energy 18650 Cylindrical Lithium Ion Battery Sales (K Pcs),

Revenue (\$ Million), Price (USD/Pcs) and Gross Margin (2019-2024)

Table 133. Zhuoneng New Energy Main Business

Table 134. Zhuoneng New Energy Latest Developments

Table 135. CHAM BATTERY Basic Information, 18650 Cylindrical Lithium Ion Battery Manufacturing Base, Sales Area and Its Competitors

Table 136. CHAM BATTERY 18650 Cylindrical Lithium Ion Battery Product Portfolios and Specifications

Table 137. CHAM BATTERY 18650 Cylindrical Lithium Ion Battery Sales (K Pcs), Revenue (\$ Million), Price (USD/Pcs) and Gross Margin (2019-2024)

Table 138. CHAM BATTERY Main Business

Table 139. CHAM BATTERY Latest Developments

Table 140. Padre Electronic Basic Information, 18650 Cylindrical Lithium Ion Battery Manufacturing Base, Sales Area and Its Competitors

Table 141. Padre Electronic 18650 Cylindrical Lithium Ion Battery Product Portfolios and Specifications

Table 142. Padre Electronic 18650 Cylindrical Lithium Ion Battery Sales (K Pcs), Revenue (\$ Million), Price (USD/Pcs) and Gross Margin (2019-2024)

Table 143. Padre Electronic Main Business

Table 144. Padre Electronic Latest Developments

List Of Figures

LIST OF FIGURES

- Figure 1. Picture of 18650 Cylindrical Lithium Ion Battery
- Figure 2. 18650 Cylindrical Lithium Ion Battery Report Years Considered
- Figure 3. Research Objectives
- Figure 4. Research Methodology
- Figure 5. Research Process and Data Source
- Figure 6. Global 18650 Cylindrical Lithium Ion Battery Sales Growth Rate 2019-2030 (K Pcs)
- Figure 7. Global 18650 Cylindrical Lithium Ion Battery Revenue Growth Rate 2019-2030 (\$ Millions)
- Figure 8. 18650 Cylindrical Lithium Ion Battery Sales by Region (2019, 2023 & 2030) & (\$ Millions)
- Figure 9. Product Picture of LiCoO₂ Battery
- Figure 10. Product Picture of NMC Battery
- Figure 11. Product Picture of LiFePO₄ Battery
- Figure 12. Product Picture of Others
- Figure 13. Global 18650 Cylindrical Lithium Ion Battery Sales Market Share by Type in 2023
- Figure 14. Global 18650 Cylindrical Lithium Ion Battery Revenue Market Share by Type (2019-2024)
- Figure 15. 18650 Cylindrical Lithium Ion Battery Consumed in Power Banks
- Figure 16. Global 18650 Cylindrical Lithium Ion Battery Market: Power Banks (2019-2024) & (K Pcs)
- Figure 17. 18650 Cylindrical Lithium Ion Battery Consumed in Laptop Battery Packs
- Figure 18. Global 18650 Cylindrical Lithium Ion Battery Market: Laptop Battery Packs (2019-2024) & (K Pcs)
- Figure 19. 18650 Cylindrical Lithium Ion Battery Consumed in Electric Vehicles
- Figure 20. Global 18650 Cylindrical Lithium Ion Battery Market: Electric Vehicles (2019-2024) & (K Pcs)
- Figure 21. 18650 Cylindrical Lithium Ion Battery Consumed in Flashlights
- Figure 22. Global 18650 Cylindrical Lithium Ion Battery Market: Flashlights (2019-2024) & (K Pcs)
- Figure 23. 18650 Cylindrical Lithium Ion Battery Consumed in Cordless Power Tools
- Figure 24. Global 18650 Cylindrical Lithium Ion Battery Market: Cordless Power Tools (2019-2024) & (K Pcs)
- Figure 25. 18650 Cylindrical Lithium Ion Battery Consumed in Others

Figure 26. Global 18650 Cylindrical Lithium Ion Battery Market: Others (2019-2024) & (K Pcs)

Figure 27. Global 18650 Cylindrical Lithium Ion Battery Sales Market Share by Application (2023)

Figure 28. Global 18650 Cylindrical Lithium Ion Battery Revenue Market Share by Application in 2023

Figure 29. 18650 Cylindrical Lithium Ion Battery Sales Market by Company in 2023 (K Pcs)

Figure 30. Global 18650 Cylindrical Lithium Ion Battery Sales Market Share by Company in 2023

Figure 31. 18650 Cylindrical Lithium Ion Battery Revenue Market by Company in 2023 (\$ Million)

Figure 32. Global 18650 Cylindrical Lithium Ion Battery Revenue Market Share by Company in 2023

Figure 33. Global 18650 Cylindrical Lithium Ion Battery Sales Market Share by Geographic Region (2019-2024)

Figure 34. Global 18650 Cylindrical Lithium Ion Battery Revenue Market Share by Geographic Region in 2023

Figure 35. Americas 18650 Cylindrical Lithium Ion Battery Sales 2019-2024 (K Pcs)

Figure 36. Americas 18650 Cylindrical Lithium Ion Battery Revenue 2019-2024 (\$ Millions)

Figure 37. APAC 18650 Cylindrical Lithium Ion Battery Sales 2019-2024 (K Pcs)

Figure 38. APAC 18650 Cylindrical Lithium Ion Battery Revenue 2019-2024 (\$ Millions)

Figure 39. Europe 18650 Cylindrical Lithium Ion Battery Sales 2019-2024 (K Pcs)

Figure 40. Europe 18650 Cylindrical Lithium Ion Battery Revenue 2019-2024 (\$ Millions)

Figure 41. Middle East & Africa 18650 Cylindrical Lithium Ion Battery Sales 2019-2024 (K Pcs)

Figure 42. Middle East & Africa 18650 Cylindrical Lithium Ion Battery Revenue 2019-2024 (\$ Millions)

Figure 43. Americas 18650 Cylindrical Lithium Ion Battery Sales Market Share by Country in 2023

Figure 44. Americas 18650 Cylindrical Lithium Ion Battery Revenue Market Share by Country in 2023

Figure 45. Americas 18650 Cylindrical Lithium Ion Battery Sales Market Share by Type (2019-2024)

Figure 46. Americas 18650 Cylindrical Lithium Ion Battery Sales Market Share by Application (2019-2024)

Figure 47. United States 18650 Cylindrical Lithium Ion Battery Revenue Growth

2019-2024 (\$ Millions)

Figure 48. Canada 18650 Cylindrical Lithium Ion Battery Revenue Growth 2019-2024 (\$ Millions)

Figure 49. Mexico 18650 Cylindrical Lithium Ion Battery Revenue Growth 2019-2024 (\$ Millions)

Figure 50. Brazil 18650 Cylindrical Lithium Ion Battery Revenue Growth 2019-2024 (\$ Millions)

Figure 51. APAC 18650 Cylindrical Lithium Ion Battery Sales Market Share by Region in 2023

Figure 52. APAC 18650 Cylindrical Lithium Ion Battery Revenue Market Share by Regions in 2023

Figure 53. APAC 18650 Cylindrical Lithium Ion Battery Sales Market Share by Type (2019-2024)

Figure 54. APAC 18650 Cylindrical Lithium Ion Battery Sales Market Share by Application (2019-2024)

Figure 55. China 18650 Cylindrical Lithium Ion Battery Revenue Growth 2019-2024 (\$ Millions)

Figure 56. Japan 18650 Cylindrical Lithium Ion Battery Revenue Growth 2019-2024 (\$ Millions)

Figure 57. South Korea 18650 Cylindrical Lithium Ion Battery Revenue Growth 2019-2024 (\$ Millions)

Figure 58. Southeast Asia 18650 Cylindrical Lithium Ion Battery Revenue Growth 2019-2024 (\$ Millions)

Figure 59. India 18650 Cylindrical Lithium Ion Battery Revenue Growth 2019-2024 (\$ Millions)

Figure 60. Australia 18650 Cylindrical Lithium Ion Battery Revenue Growth 2019-2024 (\$ Millions)

Figure 61. China Taiwan 18650 Cylindrical Lithium Ion Battery Revenue Growth 2019-2024 (\$ Millions)

Figure 62. Europe 18650 Cylindrical Lithium Ion Battery Sales Market Share by Country in 2023

Figure 63. Europe 18650 Cylindrical Lithium Ion Battery Revenue Market Share by Country in 2023

Figure 64. Europe 18650 Cylindrical Lithium Ion Battery Sales Market Share by Type (2019-2024)

Figure 65. Europe 18650 Cylindrical Lithium Ion Battery Sales Market Share by Application (2019-2024)

Figure 66. Germany 18650 Cylindrical Lithium Ion Battery Revenue Growth 2019-2024 (\$ Millions)

Figure 67. France 18650 Cylindrical Lithium Ion Battery Revenue Growth 2019-2024 (\$ Millions)

Figure 68. UK 18650 Cylindrical Lithium Ion Battery Revenue Growth 2019-2024 (\$ Millions)

Figure 69. Italy 18650 Cylindrical Lithium Ion Battery Revenue Growth 2019-2024 (\$ Millions)

Figure 70. Russia 18650 Cylindrical Lithium Ion Battery Revenue Growth 2019-2024 (\$ Millions)

Figure 71. Middle East & Africa 18650 Cylindrical Lithium Ion Battery Sales Market Share by Country in 2023

Figure 72. Middle East & Africa 18650 Cylindrical Lithium Ion Battery Revenue Market Share by Country in 2023

Figure 73. Middle East & Africa 18650 Cylindrical Lithium Ion Battery Sales Market Share by Type (2019-2024)

Figure 74. Middle East & Africa 18650 Cylindrical Lithium Ion Battery Sales Market Share by Application (2019-2024)

Figure 75. Egypt 18650 Cylindrical Lithium Ion Battery Revenue Growth 2019-2024 (\$ Millions)

Figure 76. South Africa 18650 Cylindrical Lithium Ion Battery Revenue Growth 2019-2024 (\$ Millions)

Figure 77. Israel 18650 Cylindrical Lithium Ion Battery Revenue Growth 2019-2024 (\$ Millions)

Figure 78. Turkey 18650 Cylindrical Lithium Ion Battery Revenue Growth 2019-2024 (\$ Millions)

Figure 79. GCC Country 18650 Cylindrical Lithium Ion Battery Revenue Growth 2019-2024 (\$ Millions)

Figure 80. Manufacturing Cost Structure Analysis of 18650 Cylindrical Lithium Ion Battery in 2023

Figure 81. Manufacturing Process Analysis of 18650 Cylindrical Lithium Ion Battery

Figure 82. Industry Chain Structure of 18650 Cylindrical Lithium Ion Battery

Figure 83. Channels of Distribution

Figure 84. Global 18650 Cylindrical Lithium Ion Battery Sales Market Forecast by Region (2025-2030)

Figure 85. Global 18650 Cylindrical Lithium Ion Battery Revenue Market Share Forecast by Region (2025-2030)

Figure 86. Global 18650 Cylindrical Lithium Ion Battery Sales Market Share Forecast by Type (2025-2030)

Figure 87. Global 18650 Cylindrical Lithium Ion Battery Revenue Market Share Forecast by Type (2025-2030)

Figure 88. Global 18650 Cylindrical Lithium Ion Battery Sales Market Share Forecast by Application (2025-2030)

Figure 89. Global 18650 Cylindrical Lithium Ion Battery Revenue Market Share Forecast by Application (2025-2030)

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