

# Global Needle Lithium Ion Battery Market Growth 2023-2029

<https://marketpublishers.com/r/G856C922BF78EN.html>

Date: March 2023

Pages: 114

Price: US\$ 3,660.00 (Single User License)

ID: G856C922BF78EN

## Abstracts

The report requires updating with new data and is sent in 48 hours after order is placed.

The global Needle Lithium Ion Battery market size is projected to grow from US\$ million in 2022 to US\$ million in 2029; it is expected to grow at a CAGR of % from 2023 to 2029.

United States market for Needle Lithium Ion Battery is estimated to increase from US\$ million in 2022 to US\$ million by 2029, at a CAGR of % from 2023 through 2029.

China market for Needle Lithium Ion Battery is estimated to increase from US\$ million in 2022 to US\$ million by 2029, at a CAGR of % from 2023 through 2029.

Europe market for Needle Lithium Ion Battery is estimated to increase from US\$ million in 2022 to US\$ million by 2029, at a CAGR of % from 2023 through 2029.

Global key Needle Lithium Ion Battery players cover Amprius Inc., NanoGraf Corporation, Enevate Corporation, SolidEnergy Systems, Enovatek Energy, Sila Nanotechnologies, QuantumScape Corporation, 3DBattery Company and ProLogium Technology Co., Ltd., etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2022.

Needle lithium ion battery is a lithium ion battery with unique design, which is composed of vertically arranged needle electrodes. This design is different from the traditional flat or cylindrical electrode design of traditional lithium-ion batteries. The design of needle lithium ion battery has many advantages over the traditional design. First, the needle electrode provides a larger surface area, which enables higher energy density and

faster charging time. Secondly, the vertical arrangement of electrodes allows better heat dissipation, reduces the risk of thermal runaway, and improves the safety of the battery. In addition, needle electrode is more flexible than traditional flat or cylindrical electrode, which reduces the risk of cracking or fracture during use.

LPI (LP Information)' newest research report, the “Needle Lithium Ion Battery Industry Forecast” looks at past sales and reviews total world Needle Lithium Ion Battery sales in 2022, providing a comprehensive analysis by region and market sector of projected Needle Lithium Ion Battery sales for 2023 through 2029. With Needle Lithium Ion Battery sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Needle Lithium Ion Battery industry.

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

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Needle Lithium Ion Battery 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 Needle Lithium Ion Battery.

This report presents a comprehensive overview, market shares, and growth opportunities of Needle Lithium Ion Battery market by product type, application, key manufacturers and key regions and countries.

Market Segmentation:

Segmentation by type

Small Battery

Medium Battery

Large Battery

Segmentation by application

Electric Vehicle

Portable Electronic Products

Electric Tool

Medical Equipment

Wearable Devices

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.

Amprius Inc.

NanoGraf Corporation

Enevate Corporation

SolidEnergy Systems

Enovatek Energy

Sila Nanotechnologies

QuantumScape Corporation

3DBattery Company

ProLogium Technology Co., Ltd.

Cymbet Corporation

Excellatron Solid State, LLC

Front Edge Technology, Inc.

OXIS Energy Ltd.

Blue Solutions

HighPower International Inc.

NEC Energy Solutions

Targray Technology International Inc.

Proterra Inc.

## Key Questions Addressed in this Report

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

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

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

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

How does Needle Lithium Ion Battery break out type, application?

What are the influences of COVID-19 and Russia-Ukraine war?

## 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 Needle Lithium Ion Battery Annual Sales 2018-2029

- 2.1.2 World Current & Future Analysis for Needle Lithium Ion Battery by Geographic Region, 2018, 2022 & 2029

- 2.1.3 World Current & Future Analysis for Needle Lithium Ion Battery by Country/Region, 2018, 2022 & 2029

#### 2.2 Needle Lithium Ion Battery Segment by Type

- 2.2.1 Small Battery

- 2.2.2 Medium Battery

- 2.2.3 Large Battery

#### 2.3 Needle Lithium Ion Battery Sales by Type

- 2.3.1 Global Needle Lithium Ion Battery Sales Market Share by Type (2018-2023)

- 2.3.2 Global Needle Lithium Ion Battery Revenue and Market Share by Type (2018-2023)

- 2.3.3 Global Needle Lithium Ion Battery Sale Price by Type (2018-2023)

#### 2.4 Needle Lithium Ion Battery Segment by Application

- 2.4.1 Electric Vehicle

- 2.4.2 Portable Electronic Products

- 2.4.3 Electric Tool

- 2.4.4 Medical Equipment

- 2.4.5 Wearable Devices

#### 2.5 Needle Lithium Ion Battery Sales by Application

- 2.5.1 Global Needle Lithium Ion Battery Sale Market Share by Application (2018-2023)

- 2.5.2 Global Needle Lithium Ion Battery Revenue and Market Share by Application

(2018-2023)

2.5.3 Global Needle Lithium Ion Battery Sale Price by Application (2018-2023)

### **3 GLOBAL NEEDLE LITHIUM ION BATTERY BY COMPANY**

3.1 Global Needle Lithium Ion Battery Breakdown Data by Company

3.1.1 Global Needle Lithium Ion Battery Annual Sales by Company (2018-2023)

3.1.2 Global Needle Lithium Ion Battery Sales Market Share by Company (2018-2023)

3.2 Global Needle Lithium Ion Battery Annual Revenue by Company (2018-2023)

3.2.1 Global Needle Lithium Ion Battery Revenue by Company (2018-2023)

3.2.2 Global Needle Lithium Ion Battery Revenue Market Share by Company  
(2018-2023)

3.3 Global Needle Lithium Ion Battery Sale Price by Company

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

3.4.1 Key Manufacturers Needle Lithium Ion Battery Product Location Distribution

3.4.2 Players Needle 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) & (2018-2023)

3.6 New Products and Potential Entrants

3.7 Mergers & Acquisitions, Expansion

### **4 WORLD HISTORIC REVIEW FOR NEEDLE LITHIUM ION BATTERY BY GEOGRAPHIC REGION**

4.1 World Historic Needle Lithium Ion Battery Market Size by Geographic Region  
(2018-2023)

4.1.1 Global Needle Lithium Ion Battery Annual Sales by Geographic Region  
(2018-2023)

4.1.2 Global Needle Lithium Ion Battery Annual Revenue by Geographic Region  
(2018-2023)

4.2 World Historic Needle Lithium Ion Battery Market Size by Country/Region  
(2018-2023)

4.2.1 Global Needle Lithium Ion Battery Annual Sales by Country/Region (2018-2023)

4.2.2 Global Needle Lithium Ion Battery Annual Revenue by Country/Region  
(2018-2023)

4.3 Americas Needle Lithium Ion Battery Sales Growth

4.4 APAC Needle Lithium Ion Battery Sales Growth



4.5 Europe Needle Lithium Ion Battery Sales Growth

4.6 Middle East & Africa Needle Lithium Ion Battery Sales Growth

## **5 AMERICAS**

5.1 Americas Needle Lithium Ion Battery Sales by Country

5.1.1 Americas Needle Lithium Ion Battery Sales by Country (2018-2023)

5.1.2 Americas Needle Lithium Ion Battery Revenue by Country (2018-2023)

5.2 Americas Needle Lithium Ion Battery Sales by Type

5.3 Americas Needle Lithium Ion Battery Sales by Application

5.4 United States

5.5 Canada

5.6 Mexico

5.7 Brazil

## **6 APAC**

6.1 APAC Needle Lithium Ion Battery Sales by Region

6.1.1 APAC Needle Lithium Ion Battery Sales by Region (2018-2023)

6.1.2 APAC Needle Lithium Ion Battery Revenue by Region (2018-2023)

6.2 APAC Needle Lithium Ion Battery Sales by Type

6.3 APAC Needle 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 Needle Lithium Ion Battery by Country

7.1.1 Europe Needle Lithium Ion Battery Sales by Country (2018-2023)

7.1.2 Europe Needle Lithium Ion Battery Revenue by Country (2018-2023)

7.2 Europe Needle Lithium Ion Battery Sales by Type

7.3 Europe Needle 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 Needle Lithium Ion Battery by Country

8.1.1 Middle East & Africa Needle Lithium Ion Battery Sales by Country (2018-2023)

8.1.2 Middle East & Africa Needle Lithium Ion Battery Revenue by Country  
(2018-2023)

8.2 Middle East & Africa Needle Lithium Ion Battery Sales by Type

8.3 Middle East & Africa Needle 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 Needle Lithium Ion Battery

10.3 Manufacturing Process Analysis of Needle Lithium Ion Battery

10.4 Industry Chain Structure of Needle Lithium Ion Battery

## **11 MARKETING, DISTRIBUTORS AND CUSTOMER**

11.1 Sales Channel

11.1.1 Direct Channels

11.1.2 Indirect Channels

11.2 Needle Lithium Ion Battery Distributors

11.3 Needle Lithium Ion Battery Customer

## **12 WORLD FORECAST REVIEW FOR NEEDLE LITHIUM ION BATTERY BY GEOGRAPHIC REGION**

- 12.1 Global Needle Lithium Ion Battery Market Size Forecast by Region
  - 12.1.1 Global Needle Lithium Ion Battery Forecast by Region (2024-2029)
  - 12.1.2 Global Needle Lithium Ion Battery Annual Revenue Forecast by Region (2024-2029)
- 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 Needle Lithium Ion Battery Forecast by Type
- 12.7 Global Needle Lithium Ion Battery Forecast by Application

## **13 KEY PLAYERS ANALYSIS**

- 13.1 Amprius Inc.
  - 13.1.1 Amprius Inc. Company Information
  - 13.1.2 Amprius Inc. Needle Lithium Ion Battery Product Portfolios and Specifications
  - 13.1.3 Amprius Inc. Needle Lithium Ion Battery Sales, Revenue, Price and Gross Margin (2018-2023)
  - 13.1.4 Amprius Inc. Main Business Overview
  - 13.1.5 Amprius Inc. Latest Developments
- 13.2 NanoGraf Corporation
  - 13.2.1 NanoGraf Corporation Company Information
  - 13.2.2 NanoGraf Corporation Needle Lithium Ion Battery Product Portfolios and Specifications
  - 13.2.3 NanoGraf Corporation Needle Lithium Ion Battery Sales, Revenue, Price and Gross Margin (2018-2023)
  - 13.2.4 NanoGraf Corporation Main Business Overview
  - 13.2.5 NanoGraf Corporation Latest Developments
- 13.3 Enevate Corporation
  - 13.3.1 Enevate Corporation Company Information
  - 13.3.2 Enevate Corporation Needle Lithium Ion Battery Product Portfolios and Specifications
  - 13.3.3 Enevate Corporation Needle Lithium Ion Battery Sales, Revenue, Price and Gross Margin (2018-2023)
  - 13.3.4 Enevate Corporation Main Business Overview
  - 13.3.5 Enevate Corporation Latest Developments

## 13.4 SolidEnergy Systems

13.4.1 SolidEnergy Systems Company Information

13.4.2 SolidEnergy Systems Needle Lithium Ion Battery Product Portfolios and Specifications

13.4.3 SolidEnergy Systems Needle Lithium Ion Battery Sales, Revenue, Price and Gross Margin (2018-2023)

13.4.4 SolidEnergy Systems Main Business Overview

13.4.5 SolidEnergy Systems Latest Developments

## 13.5 Enovatek Energy

13.5.1 Enovatek Energy Company Information

13.5.2 Enovatek Energy Needle Lithium Ion Battery Product Portfolios and Specifications

13.5.3 Enovatek Energy Needle Lithium Ion Battery Sales, Revenue, Price and Gross Margin (2018-2023)

13.5.4 Enovatek Energy Main Business Overview

13.5.5 Enovatek Energy Latest Developments

## 13.6 Sila Nanotechnologies

13.6.1 Sila Nanotechnologies Company Information

13.6.2 Sila Nanotechnologies Needle Lithium Ion Battery Product Portfolios and Specifications

13.6.3 Sila Nanotechnologies Needle Lithium Ion Battery Sales, Revenue, Price and Gross Margin (2018-2023)

13.6.4 Sila Nanotechnologies Main Business Overview

13.6.5 Sila Nanotechnologies Latest Developments

## 13.7 QuantumScape Corporation

13.7.1 QuantumScape Corporation Company Information

13.7.2 QuantumScape Corporation Needle Lithium Ion Battery Product Portfolios and Specifications

13.7.3 QuantumScape Corporation Needle Lithium Ion Battery Sales, Revenue, Price and Gross Margin (2018-2023)

13.7.4 QuantumScape Corporation Main Business Overview

13.7.5 QuantumScape Corporation Latest Developments

## 13.8 3DBattery Company

13.8.1 3DBattery Company Company Information

13.8.2 3DBattery Company Needle Lithium Ion Battery Product Portfolios and Specifications

13.8.3 3DBattery Company Needle Lithium Ion Battery Sales, Revenue, Price and Gross Margin (2018-2023)

13.8.4 3DBattery Company Main Business Overview

- 13.8.5 3DBattery Company Latest Developments
- 13.9 ProLogium Technology Co., Ltd.
  - 13.9.1 ProLogium Technology Co., Ltd. Company Information
  - 13.9.2 ProLogium Technology Co., Ltd. Needle Lithium Ion Battery Product Portfolios and Specifications
  - 13.9.3 ProLogium Technology Co., Ltd. Needle Lithium Ion Battery Sales, Revenue, Price and Gross Margin (2018-2023)
  - 13.9.4 ProLogium Technology Co., Ltd. Main Business Overview
  - 13.9.5 ProLogium Technology Co., Ltd. Latest Developments
- 13.10 Cymbet Corporation
  - 13.10.1 Cymbet Corporation Company Information
  - 13.10.2 Cymbet Corporation Needle Lithium Ion Battery Product Portfolios and Specifications
  - 13.10.3 Cymbet Corporation Needle Lithium Ion Battery Sales, Revenue, Price and Gross Margin (2018-2023)
  - 13.10.4 Cymbet Corporation Main Business Overview
  - 13.10.5 Cymbet Corporation Latest Developments
- 13.11 Excellatron Solid State, LLC
  - 13.11.1 Excellatron Solid State, LLC Company Information
  - 13.11.2 Excellatron Solid State, LLC Needle Lithium Ion Battery Product Portfolios and Specifications
  - 13.11.3 Excellatron Solid State, LLC Needle Lithium Ion Battery Sales, Revenue, Price and Gross Margin (2018-2023)
  - 13.11.4 Excellatron Solid State, LLC Main Business Overview
  - 13.11.5 Excellatron Solid State, LLC Latest Developments
- 13.12 Front Edge Technology, Inc.
  - 13.12.1 Front Edge Technology, Inc. Company Information
  - 13.12.2 Front Edge Technology, Inc. Needle Lithium Ion Battery Product Portfolios and Specifications
  - 13.12.3 Front Edge Technology, Inc. Needle Lithium Ion Battery Sales, Revenue, Price and Gross Margin (2018-2023)
  - 13.12.4 Front Edge Technology, Inc. Main Business Overview
  - 13.12.5 Front Edge Technology, Inc. Latest Developments
- 13.13 OXIS Energy Ltd.
  - 13.13.1 OXIS Energy Ltd. Company Information
  - 13.13.2 OXIS Energy Ltd. Needle Lithium Ion Battery Product Portfolios and Specifications
  - 13.13.3 OXIS Energy Ltd. Needle Lithium Ion Battery Sales, Revenue, Price and Gross Margin (2018-2023)

- 13.13.4 OXIS Energy Ltd. Main Business Overview
- 13.13.5 OXIS Energy Ltd. Latest Developments
- 13.14 Blue Solutions
  - 13.14.1 Blue Solutions Company Information
  - 13.14.2 Blue Solutions Needle Lithium Ion Battery Product Portfolios and Specifications
  - 13.14.3 Blue Solutions Needle Lithium Ion Battery Sales, Revenue, Price and Gross Margin (2018-2023)
  - 13.14.4 Blue Solutions Main Business Overview
  - 13.14.5 Blue Solutions Latest Developments
- 13.15 HighPower International Inc.
  - 13.15.1 HighPower International Inc. Company Information
  - 13.15.2 HighPower International Inc. Needle Lithium Ion Battery Product Portfolios and Specifications
  - 13.15.3 HighPower International Inc. Needle Lithium Ion Battery Sales, Revenue, Price and Gross Margin (2018-2023)
  - 13.15.4 HighPower International Inc. Main Business Overview
  - 13.15.5 HighPower International Inc. Latest Developments
- 13.16 NEC Energy Solutions
  - 13.16.1 NEC Energy Solutions Company Information
  - 13.16.2 NEC Energy Solutions Needle Lithium Ion Battery Product Portfolios and Specifications
  - 13.16.3 NEC Energy Solutions Needle Lithium Ion Battery Sales, Revenue, Price and Gross Margin (2018-2023)
  - 13.16.4 NEC Energy Solutions Main Business Overview
  - 13.16.5 NEC Energy Solutions Latest Developments
- 13.17 Targray Technology International Inc.
  - 13.17.1 Targray Technology International Inc. Company Information
  - 13.17.2 Targray Technology International Inc. Needle Lithium Ion Battery Product Portfolios and Specifications
  - 13.17.3 Targray Technology International Inc. Needle Lithium Ion Battery Sales, Revenue, Price and Gross Margin (2018-2023)
  - 13.17.4 Targray Technology International Inc. Main Business Overview
  - 13.17.5 Targray Technology International Inc. Latest Developments
- 13.18 Proterra Inc.
  - 13.18.1 Proterra Inc. Company Information
  - 13.18.2 Proterra Inc. Needle Lithium Ion Battery Product Portfolios and Specifications
  - 13.18.3 Proterra Inc. Needle Lithium Ion Battery Sales, Revenue, Price and Gross Margin (2018-2023)

13.18.4 Proterra Inc. Main Business Overview

13.18.5 Proterra Inc. Latest Developments

## **14 RESEARCH FINDINGS AND CONCLUSION**

## List Of Tables

### LIST OF TABLES

- Table 1. Needle Lithium Ion Battery Annual Sales CAGR by Geographic Region (2018, 2022 & 2029) & (\$ millions)
- Table 2. Needle Lithium Ion Battery Annual Sales CAGR by Country/Region (2018, 2022 & 2029) & (\$ millions)
- Table 3. Major Players of Small Battery
- Table 4. Major Players of Medium Battery
- Table 5. Major Players of Large Battery
- Table 6. Global Needle Lithium Ion Battery Sales by Type (2018-2023) & (K Units)
- Table 7. Global Needle Lithium Ion Battery Sales Market Share by Type (2018-2023)
- Table 8. Global Needle Lithium Ion Battery Revenue by Type (2018-2023) & (\$ million)
- Table 9. Global Needle Lithium Ion Battery Revenue Market Share by Type (2018-2023)
- Table 10. Global Needle Lithium Ion Battery Sale Price by Type (2018-2023) & (US\$/Unit)
- Table 11. Global Needle Lithium Ion Battery Sales by Application (2018-2023) & (K Units)
- Table 12. Global Needle Lithium Ion Battery Sales Market Share by Application (2018-2023)
- Table 13. Global Needle Lithium Ion Battery Revenue by Application (2018-2023)
- Table 14. Global Needle Lithium Ion Battery Revenue Market Share by Application (2018-2023)
- Table 15. Global Needle Lithium Ion Battery Sale Price by Application (2018-2023) & (US\$/Unit)
- Table 16. Global Needle Lithium Ion Battery Sales by Company (2018-2023) & (K Units)
- Table 17. Global Needle Lithium Ion Battery Sales Market Share by Company (2018-2023)
- Table 18. Global Needle Lithium Ion Battery Revenue by Company (2018-2023) (\$ Millions)
- Table 19. Global Needle Lithium Ion Battery Revenue Market Share by Company (2018-2023)
- Table 20. Global Needle Lithium Ion Battery Sale Price by Company (2018-2023) & (US\$/Unit)
- Table 21. Key Manufacturers Needle Lithium Ion Battery Producing Area Distribution and Sales Area
- Table 22. Players Needle Lithium Ion Battery Products Offered
- Table 23. Needle Lithium Ion Battery Concentration Ratio (CR3, CR5 and CR10) &



(2018-2023)

Table 24. New Products and Potential Entrants

Table 25. Mergers & Acquisitions, Expansion

Table 26. Global Needle Lithium Ion Battery Sales by Geographic Region (2018-2023) & (K Units)

Table 27. Global Needle Lithium Ion Battery Sales Market Share Geographic Region (2018-2023)

Table 28. Global Needle Lithium Ion Battery Revenue by Geographic Region (2018-2023) & (\$ millions)

Table 29. Global Needle Lithium Ion Battery Revenue Market Share by Geographic Region (2018-2023)

Table 30. Global Needle Lithium Ion Battery Sales by Country/Region (2018-2023) & (K Units)

Table 31. Global Needle Lithium Ion Battery Sales Market Share by Country/Region (2018-2023)

Table 32. Global Needle Lithium Ion Battery Revenue by Country/Region (2018-2023) & (\$ millions)

Table 33. Global Needle Lithium Ion Battery Revenue Market Share by Country/Region (2018-2023)

Table 34. Americas Needle Lithium Ion Battery Sales by Country (2018-2023) & (K Units)

Table 35. Americas Needle Lithium Ion Battery Sales Market Share by Country (2018-2023)

Table 36. Americas Needle Lithium Ion Battery Revenue by Country (2018-2023) & (\$ Millions)

Table 37. Americas Needle Lithium Ion Battery Revenue Market Share by Country (2018-2023)

Table 38. Americas Needle Lithium Ion Battery Sales by Type (2018-2023) & (K Units)

Table 39. Americas Needle Lithium Ion Battery Sales by Application (2018-2023) & (K Units)

Table 40. APAC Needle Lithium Ion Battery Sales by Region (2018-2023) & (K Units)

Table 41. APAC Needle Lithium Ion Battery Sales Market Share by Region (2018-2023)

Table 42. APAC Needle Lithium Ion Battery Revenue by Region (2018-2023) & (\$ Millions)

Table 43. APAC Needle Lithium Ion Battery Revenue Market Share by Region (2018-2023)

Table 44. APAC Needle Lithium Ion Battery Sales by Type (2018-2023) & (K Units)

Table 45. APAC Needle Lithium Ion Battery Sales by Application (2018-2023) & (K Units)

- Table 46. Europe Needle Lithium Ion Battery Sales by Country (2018-2023) & (K Units)
- Table 47. Europe Needle Lithium Ion Battery Sales Market Share by Country (2018-2023)
- Table 48. Europe Needle Lithium Ion Battery Revenue by Country (2018-2023) & (\$ Millions)
- Table 49. Europe Needle Lithium Ion Battery Revenue Market Share by Country (2018-2023)
- Table 50. Europe Needle Lithium Ion Battery Sales by Type (2018-2023) & (K Units)
- Table 51. Europe Needle Lithium Ion Battery Sales by Application (2018-2023) & (K Units)
- Table 52. Middle East & Africa Needle Lithium Ion Battery Sales by Country (2018-2023) & (K Units)
- Table 53. Middle East & Africa Needle Lithium Ion Battery Sales Market Share by Country (2018-2023)
- Table 54. Middle East & Africa Needle Lithium Ion Battery Revenue by Country (2018-2023) & (\$ Millions)
- Table 55. Middle East & Africa Needle Lithium Ion Battery Revenue Market Share by Country (2018-2023)
- Table 56. Middle East & Africa Needle Lithium Ion Battery Sales by Type (2018-2023) & (K Units)
- Table 57. Middle East & Africa Needle Lithium Ion Battery Sales by Application (2018-2023) & (K Units)
- Table 58. Key Market Drivers & Growth Opportunities of Needle Lithium Ion Battery
- Table 59. Key Market Challenges & Risks of Needle Lithium Ion Battery
- Table 60. Key Industry Trends of Needle Lithium Ion Battery
- Table 61. Needle Lithium Ion Battery Raw Material
- Table 62. Key Suppliers of Raw Materials
- Table 63. Needle Lithium Ion Battery Distributors List
- Table 64. Needle Lithium Ion Battery Customer List
- Table 65. Global Needle Lithium Ion Battery Sales Forecast by Region (2024-2029) & (K Units)
- Table 66. Global Needle Lithium Ion Battery Revenue Forecast by Region (2024-2029) & (\$ millions)
- Table 67. Americas Needle Lithium Ion Battery Sales Forecast by Country (2024-2029) & (K Units)
- Table 68. Americas Needle Lithium Ion Battery Revenue Forecast by Country (2024-2029) & (\$ millions)
- Table 69. APAC Needle Lithium Ion Battery Sales Forecast by Region (2024-2029) & (K Units)

Table 70. APAC Needle Lithium Ion Battery Revenue Forecast by Region (2024-2029) & (\$ millions)

Table 71. Europe Needle Lithium Ion Battery Sales Forecast by Country (2024-2029) & (K Units)

Table 72. Europe Needle Lithium Ion Battery Revenue Forecast by Country (2024-2029) & (\$ millions)

Table 73. Middle East & Africa Needle Lithium Ion Battery Sales Forecast by Country (2024-2029) & (K Units)

Table 74. Middle East & Africa Needle Lithium Ion Battery Revenue Forecast by Country (2024-2029) & (\$ millions)

Table 75. Global Needle Lithium Ion Battery Sales Forecast by Type (2024-2029) & (K Units)

Table 76. Global Needle Lithium Ion Battery Revenue Forecast by Type (2024-2029) & (\$ Millions)

Table 77. Global Needle Lithium Ion Battery Sales Forecast by Application (2024-2029) & (K Units)

Table 78. Global Needle Lithium Ion Battery Revenue Forecast by Application (2024-2029) & (\$ Millions)

Table 79. Amprius Inc. Basic Information, Needle Lithium Ion Battery Manufacturing Base, Sales Area and Its Competitors

Table 80. Amprius Inc. Needle Lithium Ion Battery Product Portfolios and Specifications

Table 81. Amprius Inc. Needle Lithium Ion Battery Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 82. Amprius Inc. Main Business

Table 83. Amprius Inc. Latest Developments

Table 84. NanoGraf Corporation Basic Information, Needle Lithium Ion Battery Manufacturing Base, Sales Area and Its Competitors

Table 85. NanoGraf Corporation Needle Lithium Ion Battery Product Portfolios and Specifications

Table 86. NanoGraf Corporation Needle Lithium Ion Battery Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 87. NanoGraf Corporation Main Business

Table 88. NanoGraf Corporation Latest Developments

Table 89. Enevate Corporation Basic Information, Needle Lithium Ion Battery Manufacturing Base, Sales Area and Its Competitors

Table 90. Enevate Corporation Needle Lithium Ion Battery Product Portfolios and Specifications

Table 91. Enevate Corporation Needle Lithium Ion Battery Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 92. Enevate Corporation Main Business

Table 93. Enevate Corporation Latest Developments

Table 94. SolidEnergy Systems Basic Information, Needle Lithium Ion Battery Manufacturing Base, Sales Area and Its Competitors

Table 95. SolidEnergy Systems Needle Lithium Ion Battery Product Portfolios and Specifications

Table 96. SolidEnergy Systems Needle Lithium Ion Battery Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 97. SolidEnergy Systems Main Business

Table 98. SolidEnergy Systems Latest Developments

Table 99. Enovatek Energy Basic Information, Needle Lithium Ion Battery Manufacturing Base, Sales Area and Its Competitors

Table 100. Enovatek Energy Needle Lithium Ion Battery Product Portfolios and Specifications

Table 101. Enovatek Energy Needle Lithium Ion Battery Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 102. Enovatek Energy Main Business

Table 103. Enovatek Energy Latest Developments

Table 104. Sila Nanotechnologies Basic Information, Needle Lithium Ion Battery Manufacturing Base, Sales Area and Its Competitors

Table 105. Sila Nanotechnologies Needle Lithium Ion Battery Product Portfolios and Specifications

Table 106. Sila Nanotechnologies Needle Lithium Ion Battery Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 107. Sila Nanotechnologies Main Business

Table 108. Sila Nanotechnologies Latest Developments

Table 109. QuantumScape Corporation Basic Information, Needle Lithium Ion Battery Manufacturing Base, Sales Area and Its Competitors

Table 110. QuantumScape Corporation Needle Lithium Ion Battery Product Portfolios and Specifications

Table 111. QuantumScape Corporation Needle Lithium Ion Battery Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 112. QuantumScape Corporation Main Business

Table 113. QuantumScape Corporation Latest Developments

Table 114. 3DBattery Company Basic Information, Needle Lithium Ion Battery Manufacturing Base, Sales Area and Its Competitors

Table 115. 3DBattery Company Needle Lithium Ion Battery Product Portfolios and Specifications

Table 116. 3DBattery Company Needle Lithium Ion Battery Sales (K Units), Revenue (\$

Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 117. 3DBattery Company Main Business

Table 118. 3DBattery Company Latest Developments

Table 119. ProLogium Technology Co., Ltd. Basic Information, Needle Lithium Ion Battery Manufacturing Base, Sales Area and Its Competitors

Table 120. ProLogium Technology Co., Ltd. Needle Lithium Ion Battery Product Portfolios and Specifications

Table 121. ProLogium Technology Co., Ltd. Needle Lithium Ion Battery Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 122. ProLogium Technology Co., Ltd. Main Business

Table 123. ProLogium Technology Co., Ltd. Latest Developments

Table 124. Cymbet Corporation Basic Information, Needle Lithium Ion Battery Manufacturing Base, Sales Area and Its Competitors

Table 125. Cymbet Corporation Needle Lithium Ion Battery Product Portfolios and Specifications

Table 126. Cymbet Corporation Needle Lithium Ion Battery Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 127. Cymbet Corporation Main Business

Table 128. Cymbet Corporation Latest Developments

Table 129. Excellatron Solid State, LLC Basic Information, Needle Lithium Ion Battery Manufacturing Base, Sales Area and Its Competitors

Table 130. Excellatron Solid State, LLC Needle Lithium Ion Battery Product Portfolios and Specifications

Table 131. Excellatron Solid State, LLC Needle Lithium Ion Battery Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 132. Excellatron Solid State, LLC Main Business

Table 133. Excellatron Solid State, LLC Latest Developments

Table 134. Front Edge Technology, Inc. Basic Information, Needle Lithium Ion Battery Manufacturing Base, Sales Area and Its Competitors

Table 135. Front Edge Technology, Inc. Needle Lithium Ion Battery Product Portfolios and Specifications

Table 136. Front Edge Technology, Inc. Needle Lithium Ion Battery Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 137. Front Edge Technology, Inc. Main Business

Table 138. Front Edge Technology, Inc. Latest Developments

Table 139. OXIS Energy Ltd. Basic Information, Needle Lithium Ion Battery Manufacturing Base, Sales Area and Its Competitors

Table 140. OXIS Energy Ltd. Needle Lithium Ion Battery Product Portfolios and Specifications

Table 141. OXIS Energy Ltd. Needle Lithium Ion Battery Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 142. OXIS Energy Ltd. Main Business

Table 143. OXIS Energy Ltd. Latest Developments

Table 144. Blue Solutions Basic Information, Needle Lithium Ion Battery Manufacturing Base, Sales Area and Its Competitors

Table 145. Blue Solutions Needle Lithium Ion Battery Product Portfolios and Specifications

Table 146. Blue Solutions Needle Lithium Ion Battery Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 147. Blue Solutions Main Business

Table 148. Blue Solutions Latest Developments

Table 149. HighPower International Inc. Basic Information, Needle Lithium Ion Battery Manufacturing Base, Sales Area and Its Competitors

Table 150. HighPower International Inc. Needle Lithium Ion Battery Product Portfolios and Specifications

Table 151. HighPower International Inc. Needle Lithium Ion Battery Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 152. HighPower International Inc. Main Business

Table 153. HighPower International Inc. Latest Developments

Table 154. NEC Energy Solutions Basic Information, Needle Lithium Ion Battery Manufacturing Base, Sales Area and Its Competitors

Table 155. NEC Energy Solutions Needle Lithium Ion Battery Product Portfolios and Specifications

Table 156. NEC Energy Solutions Needle Lithium Ion Battery Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 157. NEC Energy Solutions Main Business

Table 158. NEC Energy Solutions Latest Developments

Table 159. Targray Technology International Inc. Basic Information, Needle Lithium Ion Battery Manufacturing Base, Sales Area and Its Competitors

Table 160. Targray Technology International Inc. Needle Lithium Ion Battery Product Portfolios and Specifications

Table 161. Targray Technology International Inc. Needle Lithium Ion Battery Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 162. Targray Technology International Inc. Main Business

Table 163. Targray Technology International Inc. Latest Developments

Table 164. Proterra Inc. Basic Information, Needle Lithium Ion Battery Manufacturing Base, Sales Area and Its Competitors

Table 165. Proterra Inc. Needle Lithium Ion Battery Product Portfolios and

## Specifications

Table 166. Proterra Inc. Needle Lithium Ion Battery Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 167. Proterra Inc. Main Business

Table 168. Proterra Inc. Latest Developments

## List Of Figures

### LIST OF FIGURES

Figure 1. Picture of Needle Lithium Ion Battery

Figure 2. Needle Lithium Ion Battery Report Years Considered

Figure 3. Research Objectives

Figure 4. Research Methodology

Figure 5. Research Process and Data Source

Figure 6. Global Needle Lithium Ion Battery Sales Growth Rate 2018-2029 (K Units)

Figure 7. Global Needle Lithium Ion Battery Revenue Growth Rate 2018-2029 (\$ Millions)

Figure 8. Needle Lithium Ion Battery Sales by Region (2018, 2022 & 2029) & (\$ Millions)

Figure 9. Product Picture of Small Battery

Figure 10. Product Picture of Medium Battery

Figure 11. Product Picture of Large Battery

Figure 12. Global Needle Lithium Ion Battery Sales Market Share by Type in 2022

Figure 13. Global Needle Lithium Ion Battery Revenue Market Share by Type (2018-2023)

Figure 14. Needle Lithium Ion Battery Consumed in Electric Vehicle

Figure 15. Global Needle Lithium Ion Battery Market: Electric Vehicle (2018-2023) & (K Units)

Figure 16. Needle Lithium Ion Battery Consumed in Portable Electronic Products

Figure 17. Global Needle Lithium Ion Battery Market: Portable Electronic Products (2018-2023) & (K Units)

Figure 18. Needle Lithium Ion Battery Consumed in Electric Tool

Figure 19. Global Needle Lithium Ion Battery Market: Electric Tool (2018-2023) & (K Units)

Figure 20. Needle Lithium Ion Battery Consumed in Medical Equipment

Figure 21. Global Needle Lithium Ion Battery Market: Medical Equipment (2018-2023) & (K Units)

Figure 22. Needle Lithium Ion Battery Consumed in Wearable Devices

Figure 23. Global Needle Lithium Ion Battery Market: Wearable Devices (2018-2023) & (K Units)

Figure 24. Global Needle Lithium Ion Battery Sales Market Share by Application (2022)

Figure 25. Global Needle Lithium Ion Battery Revenue Market Share by Application in 2022

Figure 26. Needle Lithium Ion Battery Sales Market by Company in 2022 (K Units)



Figure 27. Global Needle Lithium Ion Battery Sales Market Share by Company in 2022

Figure 28. Needle Lithium Ion Battery Revenue Market by Company in 2022 (\$ Million)

Figure 29. Global Needle Lithium Ion Battery Revenue Market Share by Company in 2022

Figure 30. Global Needle Lithium Ion Battery Sales Market Share by Geographic Region (2018-2023)

Figure 31. Global Needle Lithium Ion Battery Revenue Market Share by Geographic Region in 2022

Figure 32. Americas Needle Lithium Ion Battery Sales 2018-2023 (K Units)

Figure 33. Americas Needle Lithium Ion Battery Revenue 2018-2023 (\$ Millions)

Figure 34. APAC Needle Lithium Ion Battery Sales 2018-2023 (K Units)

Figure 35. APAC Needle Lithium Ion Battery Revenue 2018-2023 (\$ Millions)

Figure 36. Europe Needle Lithium Ion Battery Sales 2018-2023 (K Units)

Figure 37. Europe Needle Lithium Ion Battery Revenue 2018-2023 (\$ Millions)

Figure 38. Middle East & Africa Needle Lithium Ion Battery Sales 2018-2023 (K Units)

Figure 39. Middle East & Africa Needle Lithium Ion Battery Revenue 2018-2023 (\$ Millions)

Figure 40. Americas Needle Lithium Ion Battery Sales Market Share by Country in 2022

Figure 41. Americas Needle Lithium Ion Battery Revenue Market Share by Country in 2022

Figure 42. Americas Needle Lithium Ion Battery Sales Market Share by Type (2018-2023)

Figure 43. Americas Needle Lithium Ion Battery Sales Market Share by Application (2018-2023)

Figure 44. United States Needle Lithium Ion Battery Revenue Growth 2018-2023 (\$ Millions)

Figure 45. Canada Needle Lithium Ion Battery Revenue Growth 2018-2023 (\$ Millions)

Figure 46. Mexico Needle Lithium Ion Battery Revenue Growth 2018-2023 (\$ Millions)

Figure 47. Brazil Needle Lithium Ion Battery Revenue Growth 2018-2023 (\$ Millions)

Figure 48. APAC Needle Lithium Ion Battery Sales Market Share by Region in 2022

Figure 49. APAC Needle Lithium Ion Battery Revenue Market Share by Regions in 2022

Figure 50. APAC Needle Lithium Ion Battery Sales Market Share by Type (2018-2023)

Figure 51. APAC Needle Lithium Ion Battery Sales Market Share by Application (2018-2023)

Figure 52. China Needle Lithium Ion Battery Revenue Growth 2018-2023 (\$ Millions)

Figure 53. Japan Needle Lithium Ion Battery Revenue Growth 2018-2023 (\$ Millions)

Figure 54. South Korea Needle Lithium Ion Battery Revenue Growth 2018-2023 (\$ Millions)

Figure 55. Southeast Asia Needle Lithium Ion Battery Revenue Growth 2018-2023 (\$

Millions)

Figure 56. India Needle Lithium Ion Battery Revenue Growth 2018-2023 (\$ Millions)

Figure 57. Australia Needle Lithium Ion Battery Revenue Growth 2018-2023 (\$ Millions)

Figure 58. China Taiwan Needle Lithium Ion Battery Revenue Growth 2018-2023 (\$ Millions)

Figure 59. Europe Needle Lithium Ion Battery Sales Market Share by Country in 2022

Figure 60. Europe Needle Lithium Ion Battery Revenue Market Share by Country in 2022

Figure 61. Europe Needle Lithium Ion Battery Sales Market Share by Type (2018-2023)

Figure 62. Europe Needle Lithium Ion Battery Sales Market Share by Application (2018-2023)

Figure 63. Germany Needle Lithium Ion Battery Revenue Growth 2018-2023 (\$ Millions)

Figure 64. France Needle Lithium Ion Battery Revenue Growth 2018-2023 (\$ Millions)

Figure 65. UK Needle Lithium Ion Battery Revenue Growth 2018-2023 (\$ Millions)

Figure 66. Italy Needle Lithium Ion Battery Revenue Growth 2018-2023 (\$ Millions)

Figure 67. Russia Needle Lithium Ion Battery Revenue Growth 2018-2023 (\$ Millions)

Figure 68. Middle East & Africa Needle Lithium Ion Battery Sales Market Share by Country in 2022

Figure 69. Middle East & Africa Needle Lithium Ion Battery Revenue Market Share by Country in 2022

Figure 70. Middle East & Africa Needle Lithium Ion Battery Sales Market Share by Type (2018-2023)

Figure 71. Middle East & Africa Needle Lithium Ion Battery Sales Market Share by Application (2018-2023)

Figure 72. Egypt Needle Lithium Ion Battery Revenue Growth 2018-2023 (\$ Millions)

Figure 73. South Africa Needle Lithium Ion Battery Revenue Growth 2018-2023 (\$ Millions)

Figure 74. Israel Needle Lithium Ion Battery Revenue Growth 2018-2023 (\$ Millions)

Figure 75. Turkey Needle Lithium Ion Battery Revenue Growth 2018-2023 (\$ Millions)

Figure 76. GCC Country Needle Lithium Ion Battery Revenue Growth 2018-2023 (\$ Millions)

Figure 77. Manufacturing Cost Structure Analysis of Needle Lithium Ion Battery in 2022

Figure 78. Manufacturing Process Analysis of Needle Lithium Ion Battery

Figure 79. Industry Chain Structure of Needle Lithium Ion Battery

Figure 80. Channels of Distribution

Figure 81. Global Needle Lithium Ion Battery Sales Market Forecast by Region (2024-2029)

Figure 82. Global Needle Lithium Ion Battery Revenue Market Share Forecast by Region (2024-2029)

Figure 83. Global Needle Lithium Ion Battery Sales Market Share Forecast by Type (2024-2029)

Figure 84. Global Needle Lithium Ion Battery Revenue Market Share Forecast by Type (2024-2029)

Figure 85. Global Needle Lithium Ion Battery Sales Market Share Forecast by Application (2024-2029)

Figure 86. Global Needle Lithium Ion Battery Revenue Market Share Forecast by Application (2024-2029)

## I would like to order

Product name: Global Needle Lithium Ion Battery Market Growth 2023-2029

Product link: <https://marketpublishers.com/r/G856C922BF78EN.html>

Price: US\$ 3,660.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G856C922BF78EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:  
Last name:  
Email:  
Company:  
Address:  
City:  
Zip code:  
Country:  
Tel:  
Fax:  
Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970