

# **Global Fibre Batteries Market Size study & Forecast, by Type (Thin-Film, Printed, Others) by Rechargeability (Primary, Secondary), by Capacity (Below 10 mAh, 10 mAh -100 mAh, Above 100 mAh), by End-Use (Consumer Electronics, Smart Packaging, Smart Cards, Medical Devices, Wireless Sensors, Others), and Regional Analysis, 2022-2029**

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## **Abstracts**

Global Fibre Batteries Market is valued at approximately USD 62.5 million in 2021 and is anticipated to grow with a healthy growth rate of more than 21.1% over the forecast period 2022-2029. Fibre batteries are millimeter-thin batteries made of fibres that are specially used to power low-powered wearable medical and consumer devices. These batteries are developed to provide low energy storage value compared to conventional energy storage devices. The global market growth is primarily influenced by the factors such as rising use of advanced tools and technologies such as AI and 5G, growing investment in the integration of various digital technologies, ongoing miniaturization of electronic devices, and high demand for flexible batteries in IoT applications.

The surge in demand for flexible batteries in wearables and flexible electronic devices is acting as a major driving factor for the market growth across the globe. According to Statista, the number of connected wearable devices worldwide was value at 593 million in 2018, which is expected to reach 1,105 million devices by the end of 2022. Thereby, the rising penetration and rise in awareness about the benefits of the smart electronic wearable is further supporting the development of the fibre battery market. Furthermore, the rising advancements in fibre batteries, as well as increasing number of strategic initiatives by the key market players are leveraging various prospects for the market growth over the anticipated years. However, stringent regulatory framework in

developing economies and lack of standardization stifles market growth throughout the forecast period of 2022-2029.

The key regions considered for the Global Fibre Batteries Market study include Asia Pacific, North America, Europe, Latin America, and the Rest of the World. The Asia Pacific dominated the market in terms of revenue, owing to the presence of leading market players, along with the rise in focus on the use of eco-friendly energy storage sources for portable electronic and medical devices. Whereas, North America is expected to grow with the significant growth rate during the forecast period, owing to factors such as growing innovation in portable monitoring and energy storage equipment, as well as the rising investments towards the military sector in the regional market.

Major market players included in this report are:

Bren-Tronics, Inc.

Inventus Power

Navitas Advanced Solutions Group

Ultralife Corp.

Lionrock Batteries

Hitachi Ltd.

Planar Energy

Saft Batteries

Brightvolt Batteries

ProLogium

Recent Developments in the Market:

In December 2021, MIT engineers stated that they created the world's longest flexible fiber battery that can be woven and washed. Also, the battery is 140 meters long, which offers power for fiber-based electronic devices and sensors.

Global Fibre Batteries Market Report Scope:

Historical Data 2019-2020-2021

Base Year for Estimation 2021

Forecast period 2022-2029

Report Coverage Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered Type, Rechargeability, Capacity, End-Use, Region

Regional Scope North America; Europe; Asia Pacific; Latin America; Rest of the World

Customization Scope Free report customization (equivalent up to 8 analyst's working

hours) with purchase. Addition or alteration to country, regional & segment scope\*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Type:

Thin-Film

Printed

Others

By Rechargeability:

Primary

Secondary

By Capacity:

Below 10 mAh

10 mAh -100 mAh

Above 100 mAh

By End-Use:

Consumer Electronics

Smart Packaging

Smart Cards

Medical Devices

Wireless Sensors

Others

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain  
Italy  
ROE  
Asia Pacific  
China  
India  
Japan  
Australia  
South Korea  
RoAPAC  
Latin America  
Brazil  
Mexico  
RoLA  
Rest of the World

## Contents

### CHAPTER 1. EXECUTIVE SUMMARY

- 1.1. Market Snapshot
- 1.2. Global & Segmental Market Estimates & Forecasts, 2019-2029 (USD Million)
  - 1.2.1. Fibre Batteries Market, by Region, 2019-2029 (USD Million)
  - 1.2.2. Fibre Batteries Market, by Type, 2019-2029 (USD Million)
  - 1.2.3. Fibre Batteries Market, by Rechargeability, 2019-2029 (USD Million)
  - 1.2.4. Fibre Batteries Market, by Capacity, 2019-2029 (USD Million)
  - 1.2.5. Fibre Batteries Market, by End-Use, 2019-2029 (USD Million)
- 1.3. Key Trends
- 1.4. Estimation Methodology
- 1.5. Research Assumption

### CHAPTER 2. GLOBAL FIBRE BATTERIES MARKET DEFINITION AND SCOPE

- 2.1. Objective of the Study
- 2.2. Market Definition & Scope
  - 2.2.1. Scope of the Study
  - 2.2.2. Industry Evolution
- 2.3. Years Considered for the Study
- 2.4. Currency Conversion Rates

### CHAPTER 3. GLOBAL FIBRE BATTERIES MARKET DYNAMICS

- 3.1. Fibre Batteries Market Impact Analysis (2019-2029)
  - 3.1.1. Market Drivers
    - 3.1.1.1. Surge in demand for flexible batteries in wearables and flexible electronic devices
    - 3.1.1.2. Rising use of advanced tools and technologies such as AI and 5G
  - 3.1.2. Market Challenges
    - 3.1.2.1. Stringent regulatory framework in developing economies
    - 3.1.2.2. Lack of standardization
  - 3.1.3. Market Opportunities
    - 3.1.3.1. Rising advancements in fibre batteries
    - 3.1.3.2. Increasing number of strategic initiatives by the key market players

### CHAPTER 4. GLOBAL FIBRE BATTERIES MARKET INDUSTRY ANALYSIS

- 4.1. Porter's 5 Force Model
  - 4.1.1. Bargaining Power of Suppliers
  - 4.1.2. Bargaining Power of Buyers
  - 4.1.3. Threat of New Entrants
  - 4.1.4. Threat of Substitutes
  - 4.1.5. Competitive Rivalry
- 4.2. Futuristic Approach to Porter's 5 Force Model (2019-2029)
- 4.3. PEST Analysis
  - 4.3.1. Political
  - 4.3.2. Economical
  - 4.3.3. Social
  - 4.3.4. Technological
- 4.4. Top investment opportunity
- 4.5. Top winning strategies
- 4.6. Industry Experts Prospective
- 4.7. Analyst Recommendation & Conclusion

## **CHAPTER 5. RISK ASSESSMENT: COVID-19 IMPACT**

- 5.1. Assessment of the overall impact of COVID-19 on the industry
- 5.2. Pre COVID-19 and post COVID-19 Market scenario

## **CHAPTER 6. GLOBAL FIBRE BATTERIES MARKET, BY TYPE**

- 6.1. Market Snapshot
- 6.2. Global Fibre Batteries Market by Type, Performance - Potential Analysis
- 6.3. Global Fibre Batteries Market Estimates & Forecasts by Type 2019-2029 (USD Million)
- 6.4. Fibre Batteries Market, Sub Segment Analysis
  - 6.4.1. Thin-Film
  - 6.4.2. Printed
  - 6.4.3. Others

## **CHAPTER 7. GLOBAL FIBRE BATTERIES MARKET, BY RECHARGEABILITY**

- 7.1. Market Snapshot
- 7.2. Global Fibre Batteries Market by Rechargeability, Performance - Potential Analysis
- 7.3. Global Fibre Batteries Market Estimates & Forecasts by Rechargeability 2019-2029

(USD Million)

#### 7.4. Fibre Batteries Market, Sub Segment Analysis

7.4.1. Primary

7.4.2. Secondary

### **CHAPTER 8. GLOBAL FIBRE BATTERIES MARKET, BY CAPACITY**

8.1. Market Snapshot

8.2. Global Fibre Batteries Market by Capacity, Performance - Potential Analysis

8.3. Global Fibre Batteries Market Estimates & Forecasts by Capacity 2019-2029 (USD Million)

8.4. Fibre Batteries Market, Sub Segment Analysis

8.4.1. Below 10 mAh

8.4.2. 10 mAh -100 mAh

8.4.3. Above 100 mAh

### **CHAPTER 9. GLOBAL FIBRE BATTERIES MARKET, BY END-USE**

9.1. Market Snapshot

9.2. Global Fibre Batteries Market by End-Use, Performance - Potential Analysis

9.3. Global Fibre Batteries Market Estimates & Forecasts by End-Use 2019-2029 (USD Million)

9.4. Fibre Batteries Market, Sub Segment Analysis

9.4.1. Consumer Electronics

9.4.2. Smart Packaging

9.4.3. Smart Cards

9.4.4. Medical Devices

9.4.5. Wireless Sensors

9.4.6. Others

### **CHAPTER 10. GLOBAL FIBRE BATTERIES MARKET, REGIONAL ANALYSIS**

10.1. Fibre Batteries Market, Regional Market Snapshot

10.2. North America Fibre Batteries Market

10.2.1. U.S. Fibre Batteries Market

10.2.1.1. Type breakdown estimates & forecasts, 2019-2029

10.2.1.2. Rechargeability breakdown estimates & forecasts, 2019-2029

10.2.1.3. Capacity breakdown estimates & forecasts, 2019-2029

10.2.1.4. End-Use breakdown estimates & forecasts, 2019-2029

- 10.2.2. Canada Fibre Batteries Market
- 10.3. Europe Fibre Batteries Market Snapshot
  - 10.3.1. U.K. Fibre Batteries Market
  - 10.3.2. Germany Fibre Batteries Market
  - 10.3.3. France Fibre Batteries Market
  - 10.3.4. Spain Fibre Batteries Market
  - 10.3.5. Italy Fibre Batteries Market
  - 10.3.6. Rest of Europe Fibre Batteries Market
- 10.4. Asia-Pacific Fibre Batteries Market Snapshot
  - 10.4.1. China Fibre Batteries Market
  - 10.4.2. India Fibre Batteries Market
  - 10.4.3. Japan Fibre Batteries Market
  - 10.4.4. Australia Fibre Batteries Market
  - 10.4.5. South Korea Fibre Batteries Market
  - 10.4.6. Rest of Asia Pacific Fibre Batteries Market
- 10.5. Latin America Fibre Batteries Market Snapshot
  - 10.5.1. Brazil Fibre Batteries Market
  - 10.5.2. Mexico Fibre Batteries Market
  - 10.5.3. Rest of Latin America Fibre Batteries Market
- 10.6. Rest of The World Fibre Batteries Market

## **CHAPTER 11. COMPETITIVE INTELLIGENCE**

- 11.1. Top Market Strategies
- 11.2. Company Profiles
  - 11.2.1. Bren-Tronics, Inc.
    - 11.2.1.1. Key Information
    - 11.2.1.2. Overview
    - 11.2.1.3. Financial (Subject to Data Availability)
    - 11.2.1.4. Product Summary
    - 11.2.1.5. Recent Developments
  - 11.2.2. Inventus Power
  - 11.2.3. Navitas Advanced Solutions Group
  - 11.2.4. Ultralife Corp.
  - 11.2.5. Lionrock Batteries
  - 11.2.6. Hitachi Ltd.
  - 11.2.7. Planar Energy
  - 11.2.8. Saft Batteries
  - 11.2.9. Brightvolt Batteries



11.2.10. ProLogium

## **CHAPTER 12. RESEARCH PROCESS**

12.1. Research Process

12.1.1. Data Mining

12.1.2. Analysis

12.1.3. Market Estimation

12.1.4. Validation

12.1.5. Publishing

12.2. Research Attributes

12.3. Research Assumption

## List Of Tables

### LIST OF TABLES

- TABLE 1. Global Fibre Batteries Market, report scope
- TABLE 2. Global Fibre Batteries Market estimates & forecasts by Region 2019-2029 (USD Million)
- TABLE 3. Global Fibre Batteries Market estimates & forecasts by Type 2019-2029 (USD Million)
- TABLE 4. Global Fibre Batteries Market estimates & forecasts by Rechargeability 2019-2029 (USD Million)
- TABLE 5. Global Fibre Batteries Market estimates & forecasts by Capacity 2019-2029 (USD Million)
- TABLE 6. Global Fibre Batteries Market estimates & forecasts by End-Use 2019-2029 (USD Million)
- TABLE 7. Global Fibre Batteries Market by segment, estimates & forecasts, 2019-2029 (USD Million)
- TABLE 8. Global Fibre Batteries Market by region, estimates & forecasts, 2019-2029 (USD Million)
- TABLE 9. Global Fibre Batteries Market by segment, estimates & forecasts, 2019-2029 (USD Million)
- TABLE 10. Global Fibre Batteries Market by region, estimates & forecasts, 2019-2029 (USD Million)
- TABLE 11. Global Fibre Batteries Market by segment, estimates & forecasts, 2019-2029 (USD Million)
- TABLE 12. Global Fibre Batteries Market by region, estimates & forecasts, 2019-2029 (USD Million)
- TABLE 13. Global Fibre Batteries Market by segment, estimates & forecasts, 2019-2029 (USD Million)
- TABLE 14. Global Fibre Batteries Market by region, estimates & forecasts, 2019-2029 (USD Million)
- TABLE 15. Global Fibre Batteries Market by segment, estimates & forecasts, 2019-2029 (USD Million)
- TABLE 16. Global Fibre Batteries Market by region, estimates & forecasts, 2019-2029 (USD Million)
- TABLE 17. U.S. Fibre Batteries Market estimates & forecasts, 2019-2029 (USD Million)
- TABLE 18. U.S. Fibre Batteries Market estimates & forecasts by segment 2019-2029 (USD Million)
- TABLE 19. U.S. Fibre Batteries Market estimates & forecasts by segment 2019-2029

(USD Million)

TABLE 20. Canada Fibre Batteries Market estimates & forecasts, 2019-2029 (USD Million)

TABLE 21. Canada Fibre Batteries Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 22. Canada Fibre Batteries Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 23. UK Fibre Batteries Market estimates & forecasts, 2019-2029 (USD Million)

TABLE 24. UK Fibre Batteries Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 25. UK Fibre Batteries Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 26. Germany Fibre Batteries Market estimates & forecasts, 2019-2029 (USD Million)

TABLE 27. Germany Fibre Batteries Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 28. Germany Fibre Batteries Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 29. France Fibre Batteries Market estimates & forecasts, 2019-2029 (USD Million)

TABLE 30. France Fibre Batteries Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 31. France Fibre Batteries Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 32. Italy Fibre Batteries Market estimates & forecasts, 2019-2029 (USD Million)

TABLE 33. Italy Fibre Batteries Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 34. Italy Fibre Batteries Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 35. Spain Fibre Batteries Market estimates & forecasts, 2019-2029 (USD Million)

TABLE 36. Spain Fibre Batteries Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 37. Spain Fibre Batteries Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 38. RoE Fibre Batteries Market estimates & forecasts, 2019-2029 (USD Million)

TABLE 39. RoE Fibre Batteries Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 40. RoE Fibre Batteries Market estimates & forecasts by segment 2019-2029

(USD Million)

TABLE 41. China Fibre Batteries Market estimates & forecasts, 2019-2029 (USD Million)

TABLE 42. China Fibre Batteries Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 43. China Fibre Batteries Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 44. India Fibre Batteries Market estimates & forecasts, 2019-2029 (USD Million)

TABLE 45. India Fibre Batteries Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 46. India Fibre Batteries Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 47. Japan Fibre Batteries Market estimates & forecasts, 2019-2029 (USD Million)

TABLE 48. Japan Fibre Batteries Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 49. Japan Fibre Batteries Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 50. South Korea Fibre Batteries Market estimates & forecasts, 2019-2029 (USD Million)

TABLE 51. South Korea Fibre Batteries Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 52. South Korea Fibre Batteries Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 53. Australia Fibre Batteries Market estimates & forecasts, 2019-2029 (USD Million)

TABLE 54. Australia Fibre Batteries Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 55. Australia Fibre Batteries Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 56. RoAPAC Fibre Batteries Market estimates & forecasts, 2019-2029 (USD Million)

TABLE 57. RoAPAC Fibre Batteries Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 58. RoAPAC Fibre Batteries Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 59. Brazil Fibre Batteries Market estimates & forecasts, 2019-2029 (USD Million)

TABLE 60. Brazil Fibre Batteries Market estimates & forecasts by segment 2019-2029

(USD Million)

TABLE 61. Brazil Fibre Batteries Market estimates & forecasts by segment 2019-2029

(USD Million)

TABLE 62. Mexico Fibre Batteries Market estimates & forecasts, 2019-2029 (USD Million)

TABLE 63. Mexico Fibre Batteries Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 64. Mexico Fibre Batteries Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 65. RoLA Fibre Batteries Market estimates & forecasts, 2019-2029 (USD Million)

TABLE 66. RoLA Fibre Batteries Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 67. RoLA Fibre Batteries Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 68. Row Fibre Batteries Market estimates & forecasts, 2019-2029 (USD Million)

TABLE 69. Row Fibre Batteries Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 70. Row Fibre Batteries Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 71. List of secondary sources, used in the study of global Fibre Batteries Market

TABLE 72. List of primary sources, used in the study of global Fibre Batteries Market

TABLE 73. Years considered for the study

TABLE 74. Exchange rates considered

List of tables and figures and dummy in nature, final lists may vary in the final deliverable

## List Of Figures

### LIST OF FIGURES

- FIG 1. Global Fibre Batteries Market, research methodology
  - FIG 2. Global Fibre Batteries Market, Market estimation techniques
  - FIG 3. Global Market size estimates & forecast methods
  - FIG 4. Global Fibre Batteries Market, key trends 2021
  - FIG 5. Global Fibre Batteries Market, growth prospects 2022-2029
  - FIG 6. Global Fibre Batteries Market, porters 5 force model
  - FIG 7. Global Fibre Batteries Market, pest analysis
  - FIG 8. Global Fibre Batteries Market, value chain analysis
  - FIG 9. Global Fibre Batteries Market by segment, 2019 & 2029 (USD Million)
  - FIG 10. Global Fibre Batteries Market by segment, 2019 & 2029 (USD Million)
  - FIG 11. Global Fibre Batteries Market by segment, 2019 & 2029 (USD Million)
  - FIG 12. Global Fibre Batteries Market by segment, 2019 & 2029 (USD Million)
  - FIG 13. Global Fibre Batteries Market by segment, 2019 & 2029 (USD Million)
  - FIG 14. Global Fibre Batteries Market, regional snapshot 2019 & 2029
  - FIG 15. North America Fibre Batteries Market 2019 & 2029 (USD Million)
  - FIG 16. Europe Fibre Batteries Market 2019 & 2029 (USD Million)
  - FIG 17. Asia pacific Fibre Batteries Market 2019 & 2029 (USD Million)
  - FIG 18. Latin America Fibre Batteries Market 2019 & 2029 (USD Million)
  - FIG 19. Global Fibre Batteries Market, company Market share analysis (2021)
- List of tables and figures and dummy in nature, final lists may vary in the final deliverable

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