

# Global 3D Printed Battery Technology Market Growth (Status and Outlook) 2024-2030

<https://marketpublishers.com/r/G74904BDEE42EN.html>

Date: July 2024

Pages: 77

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

ID: G74904BDEE42EN

## Abstracts

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

3D printed battery technology involves the use of additive manufacturing techniques to fabricate custom-designed batteries with complex geometries and enhanced performance characteristics. This innovative approach allows for the precise deposition of battery materials layer by layer, enabling the creation of intricate electrode structures and customized designs tailored to specific applications. By leveraging 3D printing, researchers and engineers can explore novel battery architectures, optimize electrode compositions, and improve energy density, power output, and overall efficiency. Furthermore, 3D printed batteries offer the potential for rapid prototyping, cost-effective production, and scalability, making them promising candidates for a wide range of applications, including wearable electronics, medical devices, and energy storage systems for electric vehicles and renewable energy integration.

The global 3D Printed Battery Technology market size is projected to grow from US\$ million in 2024 to US\$ million in 2030; it is expected to grow at a CAGR of % from 2024 to 2030.

LPI (LP Information)' newest research report, the "3D Printed Battery Technology Industry Forecast" looks at past sales and reviews total world 3D Printed Battery Technology sales in 2022, providing a comprehensive analysis by region and market sector of projected 3D Printed Battery Technology sales for 2023 through 2029. With 3D Printed Battery Technology sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world 3D Printed Battery Technology industry.

This Insight Report provides a comprehensive analysis of the global 3D Printed Battery Technology landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyses the strategies of leading global companies with a focus on 3D Printed Battery Technology portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global 3D Printed Battery Technology market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for 3D Printed Battery Technology 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 3D Printed Battery Technology.

United States market for 3D Printed Battery Technology is estimated to increase from US\$ million in 2023 to US\$ million by 2030, at a CAGR of % from 2024 through 2030.

China market for 3D Printed Battery Technology is estimated to increase from US\$ million in 2023 to US\$ million by 2030, at a CAGR of % from 2024 through 2030.

Europe market for 3D Printed Battery Technology is estimated to increase from US\$ million in 2023 to US\$ million by 2030, at a CAGR of % from 2024 through 2030.

Global key 3D Printed Battery Technology players cover Saku?, Blackstone Technology, Photocentric, TOPE Digital Manufacturing Technology, 6K Energy, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2023.

This report presents a comprehensive overview, market shares, and growth opportunities of 3D Printed Battery Technology market by product type, application, key players and key regions and countries.

Segmentation by Type:

Lithium Ion Battery

Sodium Ion Battery

Others

Segmentation by Application:

E-mobility

Energy Storage

Wearable Device

Implantable Medical Devices

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

Segmentation by Type:

Lithium Ion Battery

Sodium Ion Battery

Others

Segmentation by Application:

E-mobility

Energy Storage

Wearable Device

Implantable Medical Devices

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.

Saku?

Blackstone Technology

Photocentric

TOPE Digital Manufacturing Technology

6K Energy

## 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

### 2 EXECUTIVE SUMMARY

- 2.1 World Market Overview
  - 2.1.1 Global 3D Printed Battery Technology Market Size 2025-2030
  - 2.1.2 3D Printed Battery Technology Market Size CAGR by Region
- 2.2 3D Printed Battery Technology Segment by Type
  - 2.2.1 Lithium Ion Battery
  - 2.2.2 Sodium Ion Battery
  - 2.2.3 Others
- 2.3 3D Printed Battery Technology Market Size by Type
  - 2.3.1 Global 3D Printed Battery Technology Market Size Market Share by Type (2025-2030)
  - 2.3.2 Global 3D Printed Battery Technology Market Size Growth Rate by Type (2025-2030)
- 2.4 3D Printed Battery Technology Segment by Application
  - 2.4.1 E-mobility
  - 2.4.2 Energy Storage
  - 2.4.3 Wearable Device
  - 2.4.4 Implantable Medical Devices
  - 2.4.5 Others
- 2.5 3D Printed Battery Technology Market Size by Application (2025-2030)
  - 2.5.1 Global 3D Printed Battery Technology Market Size Market Share by Application (2025-2030)
  - 2.5.2 Global 3D Printed Battery Technology Market Size Growth Rate by Application (2025-2030)

### 3 3D PRINTED BATTERY TECHNOLOGY KEY PLAYERS

- 3.1 Date of Key Players Enter into 3D Printed Battery Technology
- 3.2 Key Players 3D Printed Battery Technology Product Offered
- 3.3 Key Players 3D Printed Battery Technology Funding/Investment Analysis
- 3.4 Funding/Investment
  - 3.4.1 Funding/Investment by Regions
  - 3.4.2 Funding/Investment by End-Industry
- 3.5 Key Players 3D Printed Battery Technology Valuation & Market Capitalization
- 3.6 Key Players Mergers & Acquisitions, Expansion Plans
- 3.7 Market Ranking
- 3.8 New Product/Technology Launches
- 3.9 Partnerships, Agreements, and Collaborations
- 3.10 Mergers and Acquisitions

## **4 3D PRINTED BATTERY TECHNOLOGY BY REGIONS**

- 4.1 3D Printed Battery Technology Market Size by Regions (2025-2030)
- 4.2 United States 3D Printed Battery Technology Market Size Growth (2025-2030)
- 4.3 China 3D Printed Battery Technology Market Size Growth (2025-2030)
- 4.4 Europe 3D Printed Battery Technology Market Size Growth (2025-2030)
- 4.5 Rest of World 3D Printed Battery Technology Market Size Growth (2025-2030)

## **5 UNITED STATES**

- 5.1 United States 3D Printed Battery Technology Market Size by Type (2025-2030)
- 5.2 United States 3D Printed Battery Technology Market Size by Application (2025-2030)

## **6 EUROPE**

- 6.1 Europe 3D Printed Battery Technology Market Size by Type (2025-2030)
- 6.2 Europe 3D Printed Battery Technology Market Size by Application (2025-2030)

## **7 CHINA**

- 7.1 China 3D Printed Battery Technology Market Size by Type (2025-2030)
- 7.2 China 3D Printed Battery Technology Market Size by Application (2025-2030)

## **8 REST OF WORLD**



8.1 Rest of World 3D Printed Battery Technology Market Size by Type (2025-2030)

8.2 Rest of World 3D Printed Battery Technology Market Size by Application  
(2025-2030)

8.3 Japan

8.4 South Korea

8.5 Southeast Asia

## **9 MARKET DRIVERS, CHALLENGES AND TRENDS**

9.1 Market Drivers & Growth Opportunities

9.2 Market Challenges & Risks

9.3 Industry Trends

## **10 KEY INVESTORS IN 3D PRINTED BATTERY TECHNOLOGY**

10.1 Company A

10.1.1 Company A Company Details

10.1.2 Company Description

10.1.3 Companies Invested by Company A

10.1.4 Company A Key Development and Market Layout

10.2 Company B

10.2.1 Company B Company Details

10.2.2 Company Description

10.2.3 Companies Invested by Company B

10.2.4 Company B Key Development and Market Layout

10.3 Company C

10.3.1 Company C Company Details

10.3.2 Company Description

10.3.3 Companies Invested by Company C

10.3.4 Company C Key Development and Market Layout

10.4 Company D

10.5 .....

## **11 KEY PLAYERS ANALYSIS**

11.1 Saku?

11.1.1 Saku? Company Details

11.1.2 Saku? 3D Printed Battery Technology Product Offered

- 11.1.3 Saku? 3D Printed Battery Technology Market Size (2023 VS 2028)
- 11.1.4 Saku? Main Business Overview
- 11.1.5 Saku? News
- 11.2 Blackstone Technology
  - 11.2.1 Blackstone Technology Company Details
  - 11.2.2 Blackstone Technology 3D Printed Battery Technology Product Offered
  - 11.2.3 Blackstone Technology 3D Printed Battery Technology Market Size (2023 VS 2028)
  - 11.2.4 Blackstone Technology Main Business Overview
  - 11.2.5 Blackstone Technology News
- 11.3 Photocentric
  - 11.3.1 Photocentric Company Details
  - 11.3.2 Photocentric 3D Printed Battery Technology Product Offered
  - 11.3.3 Photocentric 3D Printed Battery Technology Market Size (2023 VS 2028)
  - 11.3.4 Photocentric Main Business Overview
  - 11.3.5 Photocentric News
- 11.4 TOPE Digital Manufacturing Technology
  - 11.4.1 TOPE Digital Manufacturing Technology Company Details
  - 11.4.2 TOPE Digital Manufacturing Technology 3D Printed Battery Technology Product Offered
  - 11.4.3 TOPE Digital Manufacturing Technology 3D Printed Battery Technology Market Size (2023 VS 2028)
  - 11.4.4 TOPE Digital Manufacturing Technology Main Business Overview
  - 11.4.5 TOPE Digital Manufacturing Technology News
- 11.5 6K Energy
  - 11.5.1 6K Energy Company Details
  - 11.5.2 6K Energy 3D Printed Battery Technology Product Offered
  - 11.5.3 6K Energy 3D Printed Battery Technology Market Size (2023 VS 2028)
  - 11.5.4 6K Energy Main Business Overview
  - 11.5.5 6K Energy News

## **12 RESEARCH FINDINGS AND CONCLUSION**

## List Of Tables

### LIST OF TABLES

- Table 1. 3D Printed Battery Technology Market Size CAGR by Region (2025-2030) (\$ millions)
- Table 2. Major Players of Lithium Ion Battery
- Table 3. Major Players of Sodium Ion Battery
- Table 4. Major Players of Others
- Table 5. Global Market Size by Type (2025-2030) (\$ millions)
- Table 6. Global 3D Printed Battery Technology Market Size Market Share by Type (2025-2030)
- Table 7. Global 3D Printed Battery Technology Market Size by Application (2025-2030) (\$ millions)
- Table 8. Global 3D Printed Battery Technology Market Size Market Share by Application (2025-2030)
- Table 9. Date of Global Key Players Enter into 3D Printed Battery Technology Market
- Table 10. Global Key Players 3D Printed Battery Technology Product Offered
- Table 11. Key Players 3D Printed Battery Technology Funding/Investment (Million USD)
- Table 12. Funding/Investment by Regions
- Table 13. Funding/Investment by End-Industry
- Table 14. Key Players 3D Printed Battery Technology Valuation & Market Capitalization (Million USD)
- Table 15. Key Players Mergers & Acquisitions, Expansion Plans
- Table 16. 3D Printed Battery Technology New Product/Technology Launches
- Table 17. 3D Printed Battery Technology Industry Partnerships, Agreements, and Collaborations
- Table 18. 3D Printed Battery Technology Industry Mergers and Acquisitions
- Table 19. Global 3D Printed Battery Technology Market Size by Regions 2025-2030 (\$ millions)
- Table 20. Global 3D Printed Battery Technology Market Size Market Share by Regions 2025-2030
- Table 21. United States 3D Printed Battery Technology Market Size by Type (2025-2030) (\$ millions)
- Table 22. United States 3D Printed Battery Technology Market Size Market Share by Type (2025-2030)
- Table 23. United States 3D Printed Battery Technology Market Size by Application (2025-2030) (\$ millions)
- Table 24. United States 3D Printed Battery Technology Market Size Market Share by

Application (2025-2030)

Table 25. Europe 3D Printed Battery Technology Market Size by Type (2025-2030) (\$ millions)

Table 26. Europe 3D Printed Battery Technology Market Size Market Share by Type (2025-2030)

Table 27. Europe 3D Printed Battery Technology Market Size by Application (2025-2030) (\$ millions)

Table 28. Europe 3D Printed Battery Technology Market Size Market Share by Application (2025-2030)

Table 29. China 3D Printed Battery Technology Market Size by Type (2025-2030) (\$ millions)

Table 30. China 3D Printed Battery Technology Market Size Market Share by Type (2025-2030)

Table 31. China 3D Printed Battery Technology Market Size by Application (2025-2030) (\$ millions)

Table 32. China 3D Printed Battery Technology Market Size Market Share by Application (2025-2030)

Table 33. Rest of World 3D Printed Battery Technology Market Size by Type (2025-2030) (\$ millions)

Table 34. Rest of World 3D Printed Battery Technology Market Size Market Share by Type (2025-2030)

Table 35. Rest of World 3D Printed Battery Technology Market Size by Application (2025-2030) (\$ millions)

Table 36. Rest of World 3D Printed Battery Technology Market Size Market Share by Application (2025-2030)

Table 37. Key Market Drivers & Growth Opportunities of 3D Printed Battery Technology

Table 38. Key Market Challenges & Risks of 3D Printed Battery Technology

Table 39. Key Industry Trends of 3D Printed Battery Technology

Table 40. Company A Company Details

Table 41. Companies Invested by Company A

Table 42. Company A Key Development and Market Layout

Table 43. Company B Company Details

Table 44. Companies Invested by Company B

Table 45. Company B Key Development and Market Layout

Table 46. Company C Company Details

Table 47. Companies Invested by Company C

Table 48. Company C Key Development and Market Layout

Table 49. Saku? Basic Information, Head Office, Major Market Areas and Its Competitors

Table 50. Saku? 3D Printed Battery Technology Market Size (2023 VS 2028)

Table 51. Blackstone Technology Basic Information, Head Office, Major Market Areas and Its Competitors

Table 52. Blackstone Technology 3D Printed Battery Technology Market Size (2023 VS 2028)

Table 53. Photocentric Basic Information, Head Office, Major Market Areas and Its Competitors

Table 54. Photocentric 3D Printed Battery Technology Market Size (2023 VS 2028)

Table 55. TOPE Digital Manufacturing Technology Basic Information, Head Office, Major Market Areas and Its Competitors

Table 56. TOPE Digital Manufacturing Technology 3D Printed Battery Technology Market Size (2023 VS 2028)

Table 57. 6K Energy Basic Information, Head Office, Major Market Areas and Its Competitors

Table 58. 6K Energy 3D Printed Battery Technology Market Size (2023 VS 2028)

## List Of Figures

### LIST OF FIGURES

- Figure 1. Picture of 3D Printed Battery Technology
- Figure 2. 3D Printed Battery Technology Report Years Considered
- Figure 3. Research Objectives
- Figure 4. Research Methodology
- Figure 5. Research Process and Data Source
- Figure 6. Global 3D Printed Battery Technology Market Size Growth Rate 2025-2030 (\$ millions)
- Figure 7. 3D Printed Battery Technology Market Size by Region (2024 & 2030) (\$ millions)
- Figure 8. Global 3D Printed Battery Technology Market Size Market Share by Type (2025-2030)
- Figure 9. Global Lithium Ion Battery Market Size Growth Rate
- Figure 10. Global Sodium Ion Battery Market Size Growth Rate
- Figure 11. 3D Printed Battery Technology in E-mobility
- Figure 12. Global 3D Printed Battery Technology Market: E-mobility (2025-2030) (\$ millions)
- Figure 13. 3D Printed Battery Technology in Energy Storage
- Figure 14. Global 3D Printed Battery Technology Market: Energy Storage (2025-2030) (\$ millions)
- Figure 15. 3D Printed Battery Technology in Wearable Device
- Figure 16. Global 3D Printed Battery Technology Market: Wearable Device (2025-2030) (\$ millions)
- Figure 17. 3D Printed Battery Technology in Implantable Medical Devices
- Figure 18. Global 3D Printed Battery Technology Market: Implantable Medical Devices (2025-2030) (\$ millions)
- Figure 19. 3D Printed Battery Technology in Others
- Figure 20. Global 3D Printed Battery Technology Market: Others (2025-2030) (\$ millions)
- Figure 21. Global 3D Printed Battery Technology Market Size Market Share by Application (2025-2030)
- Figure 22. Global 3D Printed Battery Technology Market Size in E-mobility Growth Rate
- Figure 23. Global 3D Printed Battery Technology Market Size in Energy Storage Growth Rate
- Figure 24. Funding/Investment
- Figure 25. Global 3D Printed Battery Technology Market Size Market Share by Regions

2025-2030

Figure 26. United States 3D Printed Battery Technology Market Size 2025-2030 (\$ millions)

Figure 27. China 3D Printed Battery Technology Market Size 2025-2030 (\$ millions)

Figure 28. Europe 3D Printed Battery Technology Market Size 2025-2030 (\$ millions)

Figure 29. Rest of World 3D Printed Battery Technology Market Size 2025-2030 (\$ millions)

Figure 30. United States 3D Printed Battery Technology Consumption Market Share by Type in 2028

Figure 31. United States 3D Printed Battery Technology Market Size Market Share by Application in 2028

Figure 32. Europe 3D Printed Battery Technology Consumption Market Share by Type in 2028

Figure 33. Europe 3D Printed Battery Technology Market Size Market Share by Application in 2028

Figure 34. China 3D Printed Battery Technology Consumption Market Share by Type in 2028

Figure 35. China 3D Printed Battery Technology Market Size Market Share by Application in 2028

Figure 36. Rest of World 3D Printed Battery Technology Consumption Market Share by Type in 2028

Figure 37. Rest of World 3D Printed Battery Technology Market Size Market Share by Application in 2028

## I would like to order

Product name: Global 3D Printed Battery Technology Market Growth (Status and Outlook) 2024-2030

Product link: <https://marketpublishers.com/r/G74904BDEE42EN.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/G74904BDEE42EN.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