

Global Quantum Battery Technology Market Growth (Status and Outlook) 2026-2032

<https://marketpublishers.com/r/GDA5433DAB42EN.html>

Date: July 2026

Pages: 130

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

ID: GDA5433DAB42EN

Abstracts

The global Quantum Battery Technology market size is predicted to grow from US\$ 18.10 million in 2025 to US\$ 87.67 million in 2032; it is expected to grow at a CAGR of 25.4% from 2026 to 2032.

Quantum battery technology refers to an emerging class of energy-storage and energy-management devices that use quantum-mechanical effects to absorb, store, retain and release energy. The scope of this study focuses on device concepts, prototype systems, enabling materials and research platforms based on quantum coherence, superposition, entanglement, superabsorption, superradiance and strong light-matter coupling. Typical physical implementations include organic microcavities, quantum dots and inorganic nanostructures, perovskite-related platforms, superconducting quantum circuits and qubit-based architectures. The core value proposition lies in faster charging, more efficient energy transfer, low-interference power management and potential integration with quantum computing, microelectronics, sensors, wireless charging and future high-rate energy systems.

At the current stage, the industry should not be measured as a conventional battery-cell market; pricing is more appropriately assessed through prototype R&D contracts, customised experimental devices, enabling material supply and early-stage technology licensing rather than standardised cell-level ASP.

Based on our research, quantum batteries should be understood as a pre-commercial quantum energy-storage technology rather than a sub-segment of conventional electrochemical batteries. The industry is currently defined by laboratory-scale prototypes, quantum thermodynamics, advanced materials platforms and device-level proof-of-concept work. Its decisive technical variables are quantum-state lifetime,

scalable light-matter coupling, usable energy extraction, device stability and system integration, rather than cell manufacturing capacity or battery-pack cost. The 2026 Australian proof-of-concept marked an important step because it demonstrated a full charge-store-discharge cycle, but the present capacity and storage duration remain far from practical battery deployment.

The global supply structure is not yet comparable to the lithium-ion or solid-state battery industries. At this stage, the most credible participants are research organisations and deep-tech entities, while quantum-dot materials suppliers and quantum-computing companies should be treated as adjacent or potential participants only when official product evidence supports their relevance. Planckian remains the most notable corporate name historically associated with quantum battery development, but its current public positioning appears more focused on next-generation quantum processors, which requires caution in revenue modelling and ranking.

From a demand perspective, near-term adoption is more likely to emerge from quantum computing, microelectronics, sensors, optical energy conversion and low-interference energy-management systems than from electric vehicles or grid-scale storage. Policy support for quantum technologies in Europe, China and the United States can improve the funding environment, but it should not be interpreted as direct evidence of a mature quantum battery market. The sector's outlook is attractive but highly option-like: a single technical breakthrough in storage lifetime or scalable device manufacturing could materially change the market trajectory, while slow progress would keep the market largely confined to research and prototype revenues.

LPI (LP Information)' newest research report, the 'Quantum Battery Technology Industry Forecast' looks at past sales and reviews total world Quantum Battery Technology sales in 2025, providing a comprehensive analysis by region and market sector of projected Quantum Battery Technology sales for 2026 through 2032. With Quantum Battery Technology sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Quantum Battery Technology industry.

This Insight Report provides a comprehensive analysis of the global Quantum 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 Quantum Battery Technology portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position

in an accelerating global Quantum Battery Technology market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Quantum Battery Technology and breaks down the forecast by Technology Platform, 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 Quantum Battery Technology.

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

Segmentation by Technology Platform:

Organic Microcavity Quantum Batteries

Superconducting / Qubit-based Quantum Batteries

Quantum Dot / Nanostructure-enabled Platforms

Other

Segmentation by Development Stage:

Theoretical / Simulation Stage

Material / Device Experiment Stage

Proof-of-concept Prototype Stage

Pre-commercial Development Stage

Segmentation by Functional Role:

Energy Storage Device

Fast-charging Energy Module

Quantum Power Management Component

Other

Segmentation by Application:

Quantum Computing Systems

Microelectronics and Sensors

Wireless Charging Concepts

Future Mobility and Drones

Other

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.

CSIRO Quantum Battery Team

RMIT University

University of Melbourne

Planckian

Avantama AG

Nanoco Group plc

NNCrystal US Corporation

QuantumScape Corporation

Google Quantum AI

IBM Quantum

Quantinuum

Volkswagen Group

Quantum New Energy Technology Limited

Guoneng World (Beijing) Technology Co., Ltd.

Shenzhen Beta Energy Technology Co., Ltd.

The Innovation Academy for Precision Measurement Science and Technology

Tsinghua University

Wuhan Institute of Quantum Technology

Hubei University

Lanzhou University

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 Quantum Battery Technology Market Size (2021-2032)
 - 2.1.2 Quantum Battery Technology Market Size CAGR by Region (2021 VS 2025 VS 2032)
 - 2.1.3 World Current & Future Analysis for Quantum Battery Technology by Country/Region (2021, 2025 & 2032)
- 2.2 Quantum Battery Technology Segment by Technology Platform
 - 2.2.1 Organic Microcavity Quantum Batteries
 - 2.2.2 Superconducting / Qubit-based Quantum Batteries
 - 2.2.3 Quantum Dot / Nanostructure-enabled Platforms
 - 2.2.4 Other
 - 2.2.5 Quantum Battery Technology Market Size by Technology Platform
 - 2.2.5.1 Quantum Battery Technology Market Size CAGR by Technology Platform (2021 VS 2025 VS 2032)
 - 2.2.5.2 Global Quantum Battery Technology Market Size Market Share by Technology Platform (2021-2026)
- 2.3 Quantum Battery Technology Segment by Development Stage
 - 2.3.1 Theoretical / Simulation Stage
 - 2.3.2 Material / Device Experiment Stage
 - 2.3.3 Proof-of-concept Prototype Stage
 - 2.3.4 Pre-commercial Development Stage
 - 2.3.5 Quantum Battery Technology Market Size by Development Stage
 - 2.3.5.1 Quantum Battery Technology Market Size CAGR by Development Stage (2021 VS 2025 VS 2032)

- 2.3.5.2 Global Quantum Battery Technology Market Size Market Share by Development Stage (2021-2026)
- 2.4 Quantum Battery Technology Segment by Functional Role
 - 2.4.1 Energy Storage Device
 - 2.4.2 Fast-charging Energy Module
 - 2.4.3 Quantum Power Management Component
 - 2.4.4 Other
 - 2.4.5 Quantum Battery Technology Market Size by Functional Role
 - 2.4.5.1 Quantum Battery Technology Market Size CAGR by Functional Role (2021 VS 2025 VS 2032)
 - 2.4.5.2 Global Quantum Battery Technology Market Size Market Share by Functional Role (2021-2026)
- 2.5 Quantum Battery Technology Segment by Application
 - 2.5.1 Quantum Computing Systems
 - 2.5.2 Microelectronics and Sensors
 - 2.5.3 Wireless Charging Concepts
 - 2.5.4 Future Mobility and Drones
 - 2.5.5 Other
 - 2.5.6 Quantum Battery Technology Market Size by Application
 - 2.5.6.1 Quantum Battery Technology Market Size CAGR by Application (2021 VS 2025 VS 2032)
 - 2.5.6.2 Global Quantum Battery Technology Market Size Market Share by Application (2021-2026)

3 QUANTUM BATTERY TECHNOLOGY MARKET SIZE BY PLAYER

- 3.1 Quantum Battery Technology Market Size Market Share by Player
 - 3.1.1 Global Quantum Battery Technology Revenue by Player (2021-2026)
 - 3.1.2 Global Quantum Battery Technology Revenue Market Share by Player (2021-2026)
- 3.2 Global Quantum Battery Technology Key Players Head office and Products Offered
- 3.3 Market Concentration Rate Analysis
 - 3.3.1 Competition Landscape Analysis
 - 3.3.2 Concentration Ratio (CR3, CR5 and CR10) & (2024-2026)
- 3.4 New Products and Potential Entrants
- 3.5 Mergers & Acquisitions, Expansion

4 QUANTUM BATTERY TECHNOLOGY BY REGION

- 4.1 Quantum Battery Technology Market Size by Region (2021-2026)
- 4.2 Global Quantum Battery Technology Annual Revenue by Country/Region (2021-2026)
- 4.3 Americas Quantum Battery Technology Market Size Growth (2021-2026)
- 4.4 APAC Quantum Battery Technology Market Size Growth (2021-2026)
- 4.5 Europe Quantum Battery Technology Market Size Growth (2021-2026)
- 4.6 Middle East & Africa Quantum Battery Technology Market Size Growth (2021-2026)

5 AMERICAS

- 5.1 Americas Quantum Battery Technology Market Size by Country (2021-2026)
- 5.2 Americas Quantum Battery Technology Market Size by Technology Platform (2021-2026)
- 5.3 Americas Quantum Battery Technology Market Size by Application (2021-2026)
- 5.4 United States
- 5.5 Canada
- 5.6 Mexico
- 5.7 Brazil

6 APAC

- 6.1 APAC Quantum Battery Technology Market Size by Region (2021-2026)
- 6.2 APAC Quantum Battery Technology Market Size by Technology Platform (2021-2026)
- 6.3 APAC Quantum Battery Technology Market Size by Application (2021-2026)
- 6.4 China
- 6.5 Japan
- 6.6 South Korea
- 6.7 Southeast Asia
- 6.8 India
- 6.9 Australia

7 EUROPE

- 7.1 Europe Quantum Battery Technology Market Size by Country (2021-2026)
- 7.2 Europe Quantum Battery Technology Market Size by Technology Platform (2021-2026)
- 7.3 Europe Quantum Battery Technology Market Size by Application (2021-2026)
- 7.4 Germany

7.5 France

7.6 UK

7.7 Italy

7.8 Russia

8 MIDDLE EAST & AFRICA

8.1 Middle East & Africa Quantum Battery Technology by Region (2021-2026)

8.2 Middle East & Africa Quantum Battery Technology Market Size by Technology Platform (2021-2026)

8.3 Middle East & Africa Quantum Battery Technology Market Size by Application (2021-2026)

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 GLOBAL QUANTUM BATTERY TECHNOLOGY MARKET FORECAST

10.1 Global Quantum Battery Technology Forecast by Region (2027-2032)

10.1.1 Global Quantum Battery Technology Forecast by Region (2027-2032)

10.1.2 Americas Quantum Battery Technology Forecast

10.1.3 APAC Quantum Battery Technology Forecast

10.1.4 Europe Quantum Battery Technology Forecast

10.1.5 Middle East & Africa Quantum Battery Technology Forecast

10.2 Americas Quantum Battery Technology Forecast by Country (2027-2032)

10.2.1 United States Market Quantum Battery Technology Forecast

10.2.2 Canada Market Quantum Battery Technology Forecast

10.2.3 Mexico Market Quantum Battery Technology Forecast

10.2.4 Brazil Market Quantum Battery Technology Forecast

10.3 APAC Quantum Battery Technology Forecast by Region (2027-2032)

10.3.1 China Quantum Battery Technology Market Forecast

- 10.3.2 Japan Market Quantum Battery Technology Forecast
- 10.3.3 Korea Market Quantum Battery Technology Forecast
- 10.3.4 Southeast Asia Market Quantum Battery Technology Forecast
- 10.3.5 India Market Quantum Battery Technology Forecast
- 10.3.6 Australia Market Quantum Battery Technology Forecast
- 10.4 Europe Quantum Battery Technology Forecast by Country (2027-2032)
 - 10.4.1 Germany Market Quantum Battery Technology Forecast
 - 10.4.2 France Market Quantum Battery Technology Forecast
 - 10.4.3 UK Market Quantum Battery Technology Forecast
 - 10.4.4 Italy Market Quantum Battery Technology Forecast
 - 10.4.5 Russia Market Quantum Battery Technology Forecast
- 10.5 Middle East & Africa Quantum Battery Technology Forecast by Region (2027-2032)
 - 10.5.1 Egypt Market Quantum Battery Technology Forecast
 - 10.5.2 South Africa Market Quantum Battery Technology Forecast
 - 10.5.3 Israel Market Quantum Battery Technology Forecast
 - 10.5.4 Turkey Market Quantum Battery Technology Forecast
- 10.6 Global Quantum Battery Technology Forecast by Technology Platform (2027-2032)
- 10.7 Global Quantum Battery Technology Forecast by Application (2027-2032)
 - 10.7.1 GCC Countries Market Quantum Battery Technology Forecast

11 KEY PLAYERS ANALYSIS

- 11.1 CSIRO Quantum Battery Team
 - 11.1.1 CSIRO Quantum Battery Team Company Information
 - 11.1.2 CSIRO Quantum Battery Team Quantum Battery Technology Product Offered
 - 11.1.3 CSIRO Quantum Battery Team Quantum Battery Technology Revenue, Gross Margin and Market Share (2021-2026)
 - 11.1.4 CSIRO Quantum Battery Team Main Business Overview
 - 11.1.5 CSIRO Quantum Battery Team Latest Developments
- 11.2 RMIT University
 - 11.2.1 RMIT University Company Information
 - 11.2.2 RMIT University Quantum Battery Technology Product Offered
 - 11.2.3 RMIT University Quantum Battery Technology Revenue, Gross Margin and Market Share (2021-2026)
 - 11.2.4 RMIT University Main Business Overview
 - 11.2.5 RMIT University Latest Developments
- 11.3 University of Melbourne

- 11.3.1 University of Melbourne Company Information
- 11.3.2 University of Melbourne Quantum Battery Technology Product Offered
- 11.3.3 University of Melbourne Quantum Battery Technology Revenue, Gross Margin and Market Share (2021-2026)
- 11.3.4 University of Melbourne Main Business Overview
- 11.3.5 University of Melbourne Latest Developments
- 11.4 Planckian
 - 11.4.1 Planckian Company Information
 - 11.4.2 Planckian Quantum Battery Technology Product Offered
 - 11.4.3 Planckian Quantum Battery Technology Revenue, Gross Margin and Market Share (2021-2026)
 - 11.4.4 Planckian Main Business Overview
 - 11.4.5 Planckian Latest Developments
- 11.5 Avantama AG
 - 11.5.1 Avantama AG Company Information
 - 11.5.2 Avantama AG Quantum Battery Technology Product Offered
 - 11.5.3 Avantama AG Quantum Battery Technology Revenue, Gross Margin and Market Share (2021-2026)
 - 11.5.4 Avantama AG Main Business Overview
 - 11.5.5 Avantama AG Latest Developments
- 11.6 Nanoco Group plc
 - 11.6.1 Nanoco Group plc Company Information
 - 11.6.2 Nanoco Group plc Quantum Battery Technology Product Offered
 - 11.6.3 Nanoco Group plc Quantum Battery Technology Revenue, Gross Margin and Market Share (2021-2026)
 - 11.6.4 Nanoco Group plc Main Business Overview
 - 11.6.5 Nanoco Group plc Latest Developments
- 11.7 NNCrystal US Corporation
 - 11.7.1 NNCrystal US Corporation Company Information
 - 11.7.2 NNCrystal US Corporation Quantum Battery Technology Product Offered
 - 11.7.3 NNCrystal US Corporation Quantum Battery Technology Revenue, Gross Margin and Market Share (2021-2026)
 - 11.7.4 NNCrystal US Corporation Main Business Overview
 - 11.7.5 NNCrystal US Corporation Latest Developments
- 11.8 QuantumScape Corporation
 - 11.8.1 QuantumScape Corporation Company Information
 - 11.8.2 QuantumScape Corporation Quantum Battery Technology Product Offered
 - 11.8.3 QuantumScape Corporation Quantum Battery Technology Revenue, Gross Margin and Market Share (2021-2026)

- 11.8.4 QuantumScape Corporation Main Business Overview
- 11.8.5 QuantumScape Corporation Latest Developments
- 11.9 Google Quantum AI
 - 11.9.1 Google Quantum AI Company Information
 - 11.9.2 Google Quantum AI Quantum Battery Technology Product Offered
 - 11.9.3 Google Quantum AI Quantum Battery Technology Revenue, Gross Margin and Market Share (2021-2026)
 - 11.9.4 Google Quantum AI Main Business Overview
 - 11.9.5 Google Quantum AI Latest Developments
- 11.10 IBM Quantum
 - 11.10.1 IBM Quantum Company Information
 - 11.10.2 IBM Quantum Quantum Battery Technology Product Offered
 - 11.10.3 IBM Quantum Quantum Battery Technology Revenue, Gross Margin and Market Share (2021-2026)
 - 11.10.4 IBM Quantum Main Business Overview
 - 11.10.5 IBM Quantum Latest Developments
- 11.11 Quantinuum
 - 11.11.1 Quantinuum Company Information
 - 11.11.2 Quantinuum Quantum Battery Technology Product Offered
 - 11.11.3 Quantinuum Quantum Battery Technology Revenue, Gross Margin and Market Share (2021-2026)
 - 11.11.4 Quantinuum Main Business Overview
 - 11.11.5 Quantinuum Latest Developments
- 11.12 Volkswagen Group
 - 11.12.1 Volkswagen Group Company Information
 - 11.12.2 Volkswagen Group Quantum Battery Technology Product Offered
 - 11.12.3 Volkswagen Group Quantum Battery Technology Revenue, Gross Margin and Market Share (2021-2026)
 - 11.12.4 Volkswagen Group Main Business Overview
 - 11.12.5 Volkswagen Group Latest Developments
- 11.13 Quantum New Energy Technology Limited
 - 11.13.1 Quantum New Energy Technology Limited Company Information
 - 11.13.2 Quantum New Energy Technology Limited Quantum Battery Technology Product Offered
 - 11.13.3 Quantum New Energy Technology Limited Quantum Battery Technology Revenue, Gross Margin and Market Share (2021-2026)
 - 11.13.4 Quantum New Energy Technology Limited Main Business Overview
 - 11.13.5 Quantum New Energy Technology Limited Latest Developments
- 11.14 Guoneng World (Beijing) Technology Co., Ltd.

- 11.14.1 Guoneng World (Beijing) Technology Co., Ltd. Company Information
- 11.14.2 Guoneng World (Beijing) Technology Co., Ltd. Quantum Battery Technology Product Offered
- 11.14.3 Guoneng World (Beijing) Technology Co., Ltd. Quantum Battery Technology Revenue, Gross Margin and Market Share (2021-2026)
- 11.14.4 Guoneng World (Beijing) Technology Co., Ltd. Main Business Overview
- 11.14.5 Guoneng World (Beijing) Technology Co., Ltd. Latest Developments
- 11.15 Shenzhen Beta Energy Technology Co., Ltd.
- 11.15.1 Shenzhen Beta Energy Technology Co., Ltd. Company Information
- 11.15.2 Shenzhen Beta Energy Technology Co., Ltd. Quantum Battery Technology Product Offered
- 11.15.3 Shenzhen Beta Energy Technology Co., Ltd. Quantum Battery Technology Revenue, Gross Margin and Market Share (2021-2026)
- 11.15.4 Shenzhen Beta Energy Technology Co., Ltd. Main Business Overview
- 11.15.5 Shenzhen Beta Energy Technology Co., Ltd. Latest Developments
- 11.16 The Innovation Academy for Precision Measurement Science and Technology
- 11.16.1 The Innovation Academy for Precision Measurement Science and Technology Company Information
- 11.16.2 The Innovation Academy for Precision Measurement Science and Technology Quantum Battery Technology Product Offered
- 11.16.3 The Innovation Academy for Precision Measurement Science and Technology Quantum Battery Technology Revenue, Gross Margin and Market Share (2021-2026)
- 11.16.4 The Innovation Academy for Precision Measurement Science and Technology Main Business Overview
- 11.16.5 The Innovation Academy for Precision Measurement Science and Technology Latest Developments
- 11.17 Tsinghua University
- 11.17.1 Tsinghua University Company Information
- 11.17.2 Tsinghua University Quantum Battery Technology Product Offered
- 11.17.3 Tsinghua University Quantum Battery Technology Revenue, Gross Margin and Market Share (2021-2026)
- 11.17.4 Tsinghua University Main Business Overview
- 11.17.5 Tsinghua University Latest Developments
- 11.18 Wuhan Institute of Quantum Technology
- 11.18.1 Wuhan Institute of Quantum Technology Company Information
- 11.18.2 Wuhan Institute of Quantum Technology Quantum Battery Technology Product Offered
- 11.18.3 Wuhan Institute of Quantum Technology Quantum Battery Technology Revenue, Gross Margin and Market Share (2021-2026)

11.18.4 Wuhan Institute of Quantum Technology Main Business Overview

11.18.5 Wuhan Institute of Quantum Technology Latest Developments

11.19 Hubei University

11.19.1 Hubei University Company Information

11.19.2 Hubei University Quantum Battery Technology Product Offered

11.19.3 Hubei University Quantum Battery Technology Revenue, Gross Margin and Market Share (2021-2026)

11.19.4 Hubei University Main Business Overview

11.19.5 Hubei University Latest Developments

11.20 Lanzhou University

11.20.1 Lanzhou University Company Information

11.20.2 Lanzhou University Quantum Battery Technology Product Offered

11.20.3 Lanzhou University Quantum Battery Technology Revenue, Gross Margin and Market Share (2021-2026)

11.20.4 Lanzhou University Main Business Overview

11.20.5 Lanzhou University Latest Developments

12 RESEARCH FINDINGS AND CONCLUSION

List Of Tables

LIST OF TABLES

Table 1. Quantum Battery Technology Market Size CAGR by Region (2021 VS 2025 VS 2032) & (\$ millions)

Table 2. Quantum Battery Technology Annual Sales CAGR by Country/Region (2021, 2025 & 2032) & (\$ millions)

Table 3. Major Players of Organic Microcavity Quantum Batteries

Table 4. Major Players of Superconducting / Qubit-based Quantum Batteries

Table 5. Major Players of Quantum Dot / Nanostructure-enabled Platforms

Table 6. Major Players of Other

Table 7. Quantum Battery Technology Market Size CAGR by Technology Platform (2021 VS 2025 VS 2032) & (\$ millions)

Table 8. Global Quantum Battery Technology Market Size by Technology Platform (2021-2026) & (\$ millions)

Table 9. Global Quantum Battery Technology Market Size Market Share by Technology Platform (2021-2026)

Table 10. Major Players of Theoretical / Simulation Stage

Table 11. Major Players of Material / Device Experiment Stage

Table 12. Major Players of Proof-of-concept Prototype Stage

Table 13. Major Players of Pre-commercial Development Stage

Table 14. Quantum Battery Technology Market Size CAGR by Development Stage (2021 VS 2025 VS 2032) & (\$ millions)

Table 15. Global Quantum Battery Technology Market Size by Development Stage (2021-2026) & (\$ millions)

Table 16. Global Quantum Battery Technology Market Size Market Share by Development Stage (2021-2026)

Table 17. Major Players of Energy Storage Device

Table 18. Major Players of Fast-charging Energy Module

Table 19. Major Players of Quantum Power Management Component

Table 20. Major Players of Other

Table 21. Quantum Battery Technology Market Size CAGR by Functional Role (2021 VS 2025 VS 2032) & (\$ millions)

Table 22. Global Quantum Battery Technology Market Size by Functional Role (2021-2026) & (\$ millions)

Table 23. Global Quantum Battery Technology Market Size Market Share by Functional Role (2021-2026)

Table 24. Quantum Battery Technology Market Size CAGR by Application (2021 VS

2025 VS 2032) & (\$ millions)

Table 25. Global Quantum Battery Technology Market Size by Application (2021-2026)
& (\$ millions)

Table 26. Global Quantum Battery Technology Market Size Market Share by Application
(2021-2026)

Table 27. Global Quantum Battery Technology Revenue by Player (2021-2026) & (\$
millions)

Table 28. Global Quantum Battery Technology Revenue Market Share by Player
(2021-2026)

Table 29. Quantum Battery Technology Key Players Head office and Products Offered

Table 30. Quantum Battery Technology Concentration Ratio (CR3, CR5 and CR10) &
(2024-2026)

Table 31. New Products and Potential Entrants

Table 32. Mergers & Acquisitions, Expansion

Table 33. Global Quantum Battery Technology Market Size by Region (2021-2026) & (\$
millions)

Table 34. Global Quantum Battery Technology Market Size Market Share by Region
(2021-2026)

Table 35. Global Quantum Battery Technology Revenue by Country/Region
(2021-2026) & (\$ millions)

Table 36. Global Quantum Battery Technology Revenue Market Share by
Country/Region (2021-2026)

Table 37. Americas Quantum Battery Technology Market Size by Country (2021-2026)
& (\$ millions)

Table 38. Americas Quantum Battery Technology Market Size Market Share by Country
(2021-2026)

Table 39. Americas Quantum Battery Technology Market Size by Technology Platform
(2021-2026) & (\$ millions)

Table 40. Americas Quantum Battery Technology Market Size Market Share by
Technology Platform (2021-2026)

Table 41. Americas Quantum Battery Technology Market Size by Application
(2021-2026) & (\$ millions)

Table 42. Americas Quantum Battery Technology Market Size Market Share by
Application (2021-2026)

Table 43. APAC Quantum Battery Technology Market Size by Region (2021-2026) & (\$
millions)

Table 44. APAC Quantum Battery Technology Market Size Market Share by Region
(2021-2026)

Table 45. APAC Quantum Battery Technology Market Size by Technology Platform

(2021-2026) & (\$ millions)

Table 46. APAC Quantum Battery Technology Market Size by Application (2021-2026) & (\$ millions)

Table 47. Europe Quantum Battery Technology Market Size by Country (2021-2026) & (\$ millions)

Table 48. Europe Quantum Battery Technology Market Size Market Share by Country (2021-2026)

Table 49. Europe Quantum Battery Technology Market Size by Technology Platform (2021-2026) & (\$ millions)

Table 50. Europe Quantum Battery Technology Market Size by Application (2021-2026) & (\$ millions)

Table 51. Middle East & Africa Quantum Battery Technology Market Size by Region (2021-2026) & (\$ millions)

Table 52. Middle East & Africa Quantum Battery Technology Market Size by Technology Platform (2021-2026) & (\$ millions)

Table 53. Middle East & Africa Quantum Battery Technology Market Size by Application (2021-2026) & (\$ millions)

Table 54. Key Market Drivers & Growth Opportunities of Quantum Battery Technology

Table 55. Key Market Challenges & Risks of Quantum Battery Technology

Table 56. Key Industry Trends of Quantum Battery Technology

Table 57. Global Quantum Battery Technology Market Size Forecast by Region (2027-2032) & (\$ millions)

Table 58. Global Quantum Battery Technology Market Size Market Share Forecast by Region (2027-2032)

Table 59. Global Quantum Battery Technology Market Size Forecast by Technology Platform (2027-2032) & (\$ millions)

Table 60. Global Quantum Battery Technology Market Size Forecast by Application (2027-2032) & (\$ millions)

Table 61. CSIRO Quantum Battery Team Details, Company Type, Quantum Battery Technology Area Served and Its Competitors

Table 62. CSIRO Quantum Battery Team Quantum Battery Technology Product Offered

Table 63. CSIRO Quantum Battery Team Quantum Battery Technology Revenue (\$ million), Gross Margin and Market Share (2021-2026)

Table 64. CSIRO Quantum Battery Team Main Business

Table 65. CSIRO Quantum Battery Team Latest Developments

Table 66. RMIT University Details, Company Type, Quantum Battery Technology Area Served and Its Competitors

Table 67. RMIT University Quantum Battery Technology Product Offered

Table 68. RMIT University Quantum Battery Technology Revenue (\$ million), Gross

Margin and Market Share (2021-2026)

Table 69. RMIT University Main Business

Table 70. RMIT University Latest Developments

Table 71. University of Melbourne Details, Company Type, Quantum Battery Technology Area Served and Its Competitors

Table 72. University of Melbourne Quantum Battery Technology Product Offered

Table 73. University of Melbourne Quantum Battery Technology Revenue (\$ million), Gross Margin and Market Share (2021-2026)

Table 74. University of Melbourne Main Business

Table 75. University of Melbourne Latest Developments

Table 76. Planckian Details, Company Type, Quantum Battery Technology Area Served and Its Competitors

Table 77. Planckian Quantum Battery Technology Product Offered

Table 78. Planckian Quantum Battery Technology Revenue (\$ million), Gross Margin and Market Share (2021-2026)

Table 79. Planckian Main Business

Table 80. Planckian Latest Developments

Table 81. Avantama AG Details, Company Type, Quantum Battery Technology Area Served and Its Competitors

Table 82. Avantama AG Quantum Battery Technology Product Offered

Table 83. Avantama AG Quantum Battery Technology Revenue (\$ million), Gross Margin and Market Share (2021-2026)

Table 84. Avantama AG Main Business

Table 85. Avantama AG Latest Developments

Table 86. Nanoco Group plc Details, Company Type, Quantum Battery Technology Area Served and Its Competitors

Table 87. Nanoco Group plc Quantum Battery Technology Product Offered

Table 88. Nanoco Group plc Quantum Battery Technology Revenue (\$ million), Gross Margin and Market Share (2021-2026)

Table 89. Nanoco Group plc Main Business

Table 90. Nanoco Group plc Latest Developments

Table 91. NNCrystal US Corporation Details, Company Type, Quantum Battery Technology Area Served and Its Competitors

Table 92. NNCrystal US Corporation Quantum Battery Technology Product Offered

Table 93. NNCrystal US Corporation Quantum Battery Technology Revenue (\$ million), Gross Margin and Market Share (2021-2026)

Table 94. NNCrystal US Corporation Main Business

Table 95. NNCrystal US Corporation Latest Developments

Table 96. QuantumScape Corporation Details, Company Type, Quantum Battery

Technology Area Served and Its Competitors

Table 97. QuantumScape Corporation Quantum Battery Technology Product Offered

Table 98. QuantumScape Corporation Quantum Battery Technology Revenue (\$ million), Gross Margin and Market Share (2021-2026)

Table 99. QuantumScape Corporation Main Business

Table 100. QuantumScape Corporation Latest Developments

Table 101. Google Quantum AI Details, Company Type, Quantum Battery Technology Area Served and Its Competitors

Table 102. Google Quantum AI Quantum Battery Technology Product Offered

Table 103. Google Quantum AI Quantum Battery Technology Revenue (\$ million), Gross Margin and Market Share (2021-2026)

Table 104. Google Quantum AI Main Business

Table 105. Google Quantum AI Latest Developments

Table 106. IBM Quantum Details, Company Type, Quantum Battery Technology Area Served and Its Competitors

Table 107. IBM Quantum Quantum Battery Technology Product Offered

Table 108. IBM Quantum Quantum Battery Technology Revenue (\$ million), Gross Margin and Market Share (2021-2026)

Table 109. IBM Quantum Main Business

Table 110. IBM Quantum Latest Developments

Table 111. Quantinuum Details, Company Type, Quantum Battery Technology Area Served and Its Competitors

Table 112. Quantinuum Quantum Battery Technology Product Offered

Table 113. Quantinuum Quantum Battery Technology Revenue (\$ million), Gross Margin and Market Share (2021-2026)

Table 114. Quantinuum Main Business

Table 115. Quantinuum Latest Developments

Table 116. Volkswagen Group Details, Company Type, Quantum Battery Technology Area Served and Its Competitors

Table 117. Volkswagen Group Quantum Battery Technology Product Offered

Table 118. Volkswagen Group Quantum Battery Technology Revenue (\$ million), Gross Margin and Market Share (2021-2026)

Table 119. Volkswagen Group Main Business

Table 120. Volkswagen Group Latest Developments

Table 121. Quantum New Energy Technology Limited Details, Company Type, Quantum Battery Technology Area Served and Its Competitors

Table 122. Quantum New Energy Technology Limited Quantum Battery Technology Product Offered

Table 123. Quantum New Energy Technology Limited Quantum Battery Technology

Revenue (\$ million), Gross Margin and Market Share (2021-2026)

Table 124. Quantum New Energy Technology Limited Main Business

Table 125. Quantum New Energy Technology Limited Latest Developments

Table 126. Guoneng World (Beijing) Technology Co., Ltd. Details, Company Type, Quantum Battery Technology Area Served and Its Competitors

Table 127. Guoneng World (Beijing) Technology Co., Ltd. Quantum Battery Technology Product Offered

Table 128. Guoneng World (Beijing) Technology Co., Ltd. Quantum Battery Technology Revenue (\$ million), Gross Margin and Market Share (2021-2026)

Table 129. Guoneng World (Beijing) Technology Co., Ltd. Main Business

Table 130. Guoneng World (Beijing) Technology Co., Ltd. Latest Developments

Table 131. Shenzhen Beta Energy Technology Co., Ltd. Details, Company Type, Quantum Battery Technology Area Served and Its Competitors

Table 132. Shenzhen Beta Energy Technology Co., Ltd. Quantum Battery Technology Product Offered

Table 133. Shenzhen Beta Energy Technology Co., Ltd. Quantum Battery Technology Revenue (\$ million), Gross Margin and Market Share (2021-2026)

Table 134. Shenzhen Beta Energy Technology Co., Ltd. Main Business

Table 135. Shenzhen Beta Energy Technology Co., Ltd. Latest Developments

Table 136. The Innovation Academy for Precision Measurement Science and Technology Details, Company Type, Quantum Battery Technology Area Served and Its Competitors

Table 137. The Innovation Academy for Precision Measurement Science and Technology Quantum Battery Technology Product Offered

Table 138. The Innovation Academy for Precision Measurement Science and Technology Quantum Battery Technology Revenue (\$ million), Gross Margin and Market Share (2021-2026)

Table 139. The Innovation Academy for Precision Measurement Science and Technology Main Business

Table 140. The Innovation Academy for Precision Measurement Science and Technology Latest Developments

Table 141. Tsinghua University Details, Company Type, Quantum Battery Technology Area Served and Its Competitors

Table 142. Tsinghua University Quantum Battery Technology Product Offered

Table 143. Tsinghua University Quantum Battery Technology Revenue (\$ million), Gross Margin and Market Share (2021-2026)

Table 144. Tsinghua University Main Business

Table 145. Tsinghua University Latest Developments

Table 146. Wuhan Institute of Quantum Technology Details, Company Type, Quantum

Battery Technology Area Served and Its Competitors

Table 147. Wuhan Institute of Quantum Technology Quantum Battery Technology Product Offered

Table 148. Wuhan Institute of Quantum Technology Quantum Battery Technology Revenue (\$ million), Gross Margin and Market Share (2021-2026)

Table 149. Wuhan Institute of Quantum Technology Main Business

Table 150. Wuhan Institute of Quantum Technology Latest Developments

Table 151. Hubei University Details, Company Type, Quantum Battery Technology Area Served and Its Competitors

Table 152. Hubei University Quantum Battery Technology Product Offered

Table 153. Hubei University Quantum Battery Technology Revenue (\$ million), Gross Margin and Market Share (2021-2026)

Table 154. Hubei University Main Business

Table 155. Hubei University Latest Developments

Table 156. Lanzhou University Details, Company Type, Quantum Battery Technology Area Served and Its Competitors

Table 157. Lanzhou University Quantum Battery Technology Product Offered

Table 158. Lanzhou University Quantum Battery Technology Revenue (\$ million), Gross Margin and Market Share (2021-2026)

Table 159. Lanzhou University Main Business

Table 160. Lanzhou University Latest Developments

List Of Figures

LIST OF FIGURES

- Figure 1. Quantum Battery Technology Report Years Considered
- Figure 2. Research Objectives
- Figure 3. Research Methodology
- Figure 4. Research Process and Data Source
- Figure 5. Global Quantum Battery Technology Market Size Growth Rate (2021-2032) (\$ millions)
- Figure 6. Quantum Battery Technology Sales by Geographic Region (2021, 2025 & 2032) & (\$ millions)
- Figure 7. Quantum Battery Technology Sales Market Share by Country/Region (2025)
- Figure 8. Quantum Battery Technology Sales Market Share by Country/Region (2021, 2025 & 2032)
- Figure 9. Global Quantum Battery Technology Market Size Market Share by Technology Platform in 2025
- Figure 10. Global Quantum Battery Technology Market Size Market Share by Development Stage in 2025
- Figure 11. Global Quantum Battery Technology Market Size Market Share by Functional Role in 2025
- Figure 12. Quantum Battery Technology in Quantum Computing Systems
- Figure 13. Global Quantum Battery Technology Market: Quantum Computing Systems (2021-2026) & (\$ millions)
- Figure 14. Quantum Battery Technology in Microelectronics and Sensors
- Figure 15. Global Quantum Battery Technology Market: Microelectronics and Sensors (2021-2026) & (\$ millions)
- Figure 16. Quantum Battery Technology in Wireless Charging Concepts
- Figure 17. Global Quantum Battery Technology Market: Wireless Charging Concepts (2021-2026) & (\$ millions)
- Figure 18. Quantum Battery Technology in Future Mobility and Drones
- Figure 19. Global Quantum Battery Technology Market: Future Mobility and Drones (2021-2026) & (\$ millions)
- Figure 20. Quantum Battery Technology in Other
- Figure 21. Global Quantum Battery Technology Market: Other (2021-2026) & (\$ millions)
- Figure 22. Global Quantum Battery Technology Market Size Market Share by Application in 2025
- Figure 23. Global Quantum Battery Technology Revenue Market Share by Player in

2025

Figure 24. Global Quantum Battery Technology Market Size Market Share by Region (2021-2026)

Figure 25. Americas Quantum Battery Technology Market Size 2021-2026 (\$ millions)

Figure 26. APAC Quantum Battery Technology Market Size 2021-2026 (\$ millions)

Figure 27. Europe Quantum Battery Technology Market Size 2021-2026 (\$ millions)

Figure 28. Middle East & Africa Quantum Battery Technology Market Size 2021-2026 (\$ millions)

Figure 29. Americas Quantum Battery Technology Value Market Share by Country in 2025

Figure 30. United States Quantum Battery Technology Market Size Growth 2021-2026 (\$ millions)

Figure 31. Canada Quantum Battery Technology Market Size Growth 2021-2026 (\$ millions)

Figure 32. Mexico Quantum Battery Technology Market Size Growth 2021-2026 (\$ millions)

Figure 33. Brazil Quantum Battery Technology Market Size Growth 2021-2026 (\$ millions)

Figure 34. APAC Quantum Battery Technology Market Size Market Share by Region in 2025

Figure 35. APAC Quantum Battery Technology Market Size Market Share by Technology Platform (2021-2026)

Figure 36. APAC Quantum Battery Technology Market Size Market Share by Application (2021-2026)

Figure 37. China Quantum Battery Technology Market Size Growth 2021-2026 (\$ millions)

Figure 38. Japan Quantum Battery Technology Market Size Growth 2021-2026 (\$ millions)

Figure 39. South Korea Quantum Battery Technology Market Size Growth 2021-2026 (\$ millions)

Figure 40. Southeast Asia Quantum Battery Technology Market Size Growth 2021-2026 (\$ millions)

Figure 41. India Quantum Battery Technology Market Size Growth 2021-2026 (\$ millions)

Figure 42. Australia Quantum Battery Technology Market Size Growth 2021-2026 (\$ millions)

Figure 43. Europe Quantum Battery Technology Market Size Market Share by Country in 2025

Figure 44. Europe Quantum Battery Technology Market Size Market Share by

Technology Platform (2021-2026)

Figure 45. Europe Quantum Battery Technology Market Size Market Share by Application (2021-2026)

Figure 46. Germany Quantum Battery Technology Market Size Growth 2021-2026 (\$ millions)

Figure 47. France Quantum Battery Technology Market Size Growth 2021-2026 (\$ millions)

Figure 48. UK Quantum Battery Technology Market Size Growth 2021-2026 (\$ millions)

Figure 49. Italy Quantum Battery Technology Market Size Growth 2021-2026 (\$ millions)

Figure 50. Russia Quantum Battery Technology Market Size Growth 2021-2026 (\$ millions)

Figure 51. Middle East & Africa Quantum Battery Technology Market Size Market Share by Region (2021-2026)

Figure 52. Middle East & Africa Quantum Battery Technology Market Size Market Share by Technology Platform (2021-2026)

Figure 53. Middle East & Africa Quantum Battery Technology Market Size Market Share by Application (2021-2026)

Figure 54. Egypt Quantum Battery Technology Market Size Growth 2021-2026 (\$ millions)

Figure 55. South Africa Quantum Battery Technology Market Size Growth 2021-2026 (\$ millions)

Figure 56. Israel Quantum Battery Technology Market Size Growth 2021-2026 (\$ millions)

Figure 57. Turkey Quantum Battery Technology Market Size Growth 2021-2026 (\$ millions)

Figure 58. GCC Countries Quantum Battery Technology Market Size Growth 2021-2026 (\$ millions)

Figure 59. Americas Quantum Battery Technology Market Size 2027-2032 (\$ millions)

Figure 60. APAC Quantum Battery Technology Market Size 2027-2032 (\$ millions)

Figure 61. Europe Quantum Battery Technology Market Size 2027-2032 (\$ millions)

Figure 62. Middle East & Africa Quantum Battery Technology Market Size 2027-2032 (\$ millions)

Figure 63. United States Quantum Battery Technology Market Size 2027-2032 (\$ millions)

Figure 64. Canada Quantum Battery Technology Market Size 2027-2032 (\$ millions)

Figure 65. Mexico Quantum Battery Technology Market Size 2027-2032 (\$ millions)

Figure 66. Brazil Quantum Battery Technology Market Size 2027-2032 (\$ millions)

Figure 67. China Quantum Battery Technology Market Size 2027-2032 (\$ millions)

Figure 68. Japan Quantum Battery Technology Market Size 2027-2032 (\$ millions)

Figure 69. Korea Quantum Battery Technology Market Size 2027-2032 (\$ millions)

Figure 70. Southeast Asia Quantum Battery Technology Market Size 2027-2032 (\$ millions)

Figure 71. India Quantum Battery Technology Market Size 2027-2032 (\$ millions)

Figure 72. Australia Quantum Battery Technology Market Size 2027-2032 (\$ millions)

Figure 73. Germany Quantum Battery Technology Market Size 2027-2032 (\$ millions)

Figure 74. France Quantum Battery Technology Market Size 2027-2032 (\$ millions)

Figure 75. UK Quantum Battery Technology Market Size 2027-2032 (\$ millions)

Figure 76. Italy Quantum Battery Technology Market Size 2027-2032 (\$ millions)

Figure 77. Russia Quantum Battery Technology Market Size 2027-2032 (\$ millions)

Figure 78. Egypt Quantum Battery Technology Market Size 2027-2032 (\$ millions)

Figure 79. South Africa Quantum Battery Technology Market Size 2027-2032 (\$ millions)

Figure 80. Israel Quantum Battery Technology Market Size 2027-2032 (\$ millions)

Figure 81. Turkey Quantum Battery Technology Market Size 2027-2032 (\$ millions)

Figure 82. Global Quantum Battery Technology Market Size Market Share Forecast by Technology Platform (2027-2032)

Figure 83. Global Quantum Battery Technology Market Size Market Share Forecast by Application (2027-2032)

Figure 84. GCC Countries Quantum Battery Technology Market Size 2027-2032 (\$ millions)

I would like to order

Product name: Global Quantum Battery Technology Market Growth (Status and Outlook) 2026-2032

Product link: <https://marketpublishers.com/r/GDA5433DAB42EN.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

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/GDA5433DAB42EN.html>