

Global Vanadium Redox Battery (VRB) Store Energy Market Growth 2025-2031

<https://marketpublishers.com/r/G555E9A197A0EN.html>

Date: March 2025

Pages: 124

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

ID: G555E9A197A0EN

Abstracts

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

The global Vanadium Redox Battery (VRB) Store Energy market size is predicted to grow from US\$ 2908 million in 2025 to US\$ 21650 million in 2031; it is expected to grow at a CAGR of 39.7% from 2025 to 2031.

Due to the rapid development of the wind power and photovoltaic industry, as well as the increasing awareness of environmental protection in various countries, the energy storage industry is becoming one of the key technologies, which is used in many countries to advance the carbon neutral target process today. The United States, China and Japan occupied the leading position in the installed capacity of energy storage projects, among which the United States is the world's largest energy storage market. The European Union established the European Battery Alliance (EBA) in 2017, aiming to escape the EU's dependence on Asian manufacturers in the battery storage field. According to Data Europa's statistics, the cumulative installed capacity has reached 48.38GW in 2020. At present, pumped storage accounts for 94% of the energy storage market in Europe, with Spain and Germany having the largest capacity. According to BNEF data, electrochemical energy storage in the United States added 3.97GW / 10.88 GWh in 2021. In terms of power, it accounted for 40% of the global increase. In 2022, the United States passed the IRA, which subsidized independent energy storage for the first time. Under the ITC, new energy storage projects could offset up to 46% of the investment. The effect of the policy has initially appeared, and the energy storage industry in the United States shows an upward trend.

LP Information, Inc. (LPI) ' newest research report, the "Vanadium Redox Battery (VRB) Store Energy Industry Forecast" looks at past sales and reviews total world Vanadium

Redox Battery (VRB) Store Energy sales in 2024, providing a comprehensive analysis by region and market sector of projected Vanadium Redox Battery (VRB) Store Energy sales for 2025 through 2031. With Vanadium Redox Battery (VRB) Store Energy sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Vanadium Redox Battery (VRB) Store Energy industry.

This Insight Report provides a comprehensive analysis of the global Vanadium Redox Battery (VRB) Store Energy 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 Vanadium Redox Battery (VRB) Store Energy portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Vanadium Redox Battery (VRB) Store Energy market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Vanadium Redox Battery (VRB) Store Energy 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 Vanadium Redox Battery (VRB) Store Energy.

This report presents a comprehensive overview, market shares, and growth opportunities of Vanadium Redox Battery (VRB) Store Energy market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Full-fluorinion Ion Exchange Membrane

Non-fluorinion Ion Exchange Membrane

Segmentation by Application:

Power Generation

Grid

Electricity

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 analysing the company's coverage, product portfolio, its market penetration.

Rongke Power

VRB Energy

Shanghai Electric

State Grid Yingda

Invinity Energy Systems

CellCube

Australian Vanadium

StorEn Technologies

Stryten Energy

VFlowTech

Sumitomo Electric

Largo

Key Questions Addressed in this Report

What is the 10-year outlook for the global Vanadium Redox Battery (VRB) Store Energy market?

What factors are driving Vanadium Redox Battery (VRB) Store Energy market growth, globally and by region?

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

How do Vanadium Redox Battery (VRB) Store Energy market opportunities vary by end market size?

How does Vanadium Redox Battery (VRB) Store Energy break out by Type, by Application?

Contents

1 SCOPE OF THE REPORT

- 1.1 Market Introduction
- 1.2 Years Considered
- 1.3 Research Objectives
- 1.4 Market Research Methodology
- 1.5 Research Process and Data Source
- 1.6 Economic Indicators
- 1.7 Currency Considered
- 1.8 Market Estimation Caveats

2 EXECUTIVE SUMMARY

- 2.1 World Market Overview
 - 2.1.1 Global Vanadium Redox Battery (VRB) Store Energy Annual Sales 2020-2031
 - 2.1.2 World Current & Future Analysis for Vanadium Redox Battery (VRB) Store Energy by Geographic Region, 2020, 2024 & 2031
 - 2.1.3 World Current & Future Analysis for Vanadium Redox Battery (VRB) Store Energy by Country/Region, 2020, 2024 & 2031
- 2.2 Vanadium Redox Battery (VRB) Store Energy Segment by Type
 - 2.2.1 Full-fluorination Ion Exchange Membrane
 - 2.2.2 Non-fluorination Ion Exchange Membrane
- 2.3 Vanadium Redox Battery (VRB) Store Energy Sales by Type
 - 2.3.1 Global Vanadium Redox Battery (VRB) Store Energy Sales Market Share by Type (2020-2025)
 - 2.3.2 Global Vanadium Redox Battery (VRB) Store Energy Revenue and Market Share by Type (2020-2025)
 - 2.3.3 Global Vanadium Redox Battery (VRB) Store Energy Sale Price by Type (2020-2025)
- 2.4 Vanadium Redox Battery (VRB) Store Energy Segment by Application
 - 2.4.1 Power Generation
 - 2.4.2 Grid
 - 2.4.3 Electricity
- 2.5 Vanadium Redox Battery (VRB) Store Energy Sales by Application
 - 2.5.1 Global Vanadium Redox Battery (VRB) Store Energy Sale Market Share by Application (2020-2025)
 - 2.5.2 Global Vanadium Redox Battery (VRB) Store Energy Revenue and Market Share

by Application (2020-2025)

2.5.3 Global Vanadium Redox Battery (VRB) Store Energy Sale Price by Application (2020-2025)

3 GLOBAL BY COMPANY

3.1 Global Vanadium Redox Battery (VRB) Store Energy Breakdown Data by Company

3.1.1 Global Vanadium Redox Battery (VRB) Store Energy Annual Sales by Company (2020-2025)

3.1.2 Global Vanadium Redox Battery (VRB) Store Energy Sales Market Share by Company (2020-2025)

3.2 Global Vanadium Redox Battery (VRB) Store Energy Annual Revenue by Company (2020-2025)

3.2.1 Global Vanadium Redox Battery (VRB) Store Energy Revenue by Company (2020-2025)

3.2.2 Global Vanadium Redox Battery (VRB) Store Energy Revenue Market Share by Company (2020-2025)

3.3 Global Vanadium Redox Battery (VRB) Store Energy Sale Price by Company

3.4 Key Manufacturers Vanadium Redox Battery (VRB) Store Energy Producing Area Distribution, Sales Area, Product Type

3.4.1 Key Manufacturers Vanadium Redox Battery (VRB) Store Energy Product Location Distribution

3.4.2 Players Vanadium Redox Battery (VRB) Store Energy Products Offered

3.5 Market Concentration Rate Analysis

3.5.1 Competition Landscape Analysis

3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2023-2025)

3.6 New Products and Potential Entrants

3.7 Market M&A Activity & Strategy

4 WORLD HISTORIC REVIEW FOR VANADIUM REDOX BATTERY (VRB) STORE ENERGY BY GEOGRAPHIC REGION

4.1 World Historic Vanadium Redox Battery (VRB) Store Energy Market Size by Geographic Region (2020-2025)

4.1.1 Global Vanadium Redox Battery (VRB) Store Energy Annual Sales by Geographic Region (2020-2025)

4.1.2 Global Vanadium Redox Battery (VRB) Store Energy Annual Revenue by Geographic Region (2020-2025)

4.2 World Historic Vanadium Redox Battery (VRB) Store Energy Market Size by

Country/Region (2020-2025)

4.2.1 Global Vanadium Redox Battery (VRB) Store Energy Annual Sales by Country/Region (2020-2025)

4.2.2 Global Vanadium Redox Battery (VRB) Store Energy Annual Revenue by Country/Region (2020-2025)

4.3 Americas Vanadium Redox Battery (VRB) Store Energy Sales Growth

4.4 APAC Vanadium Redox Battery (VRB) Store Energy Sales Growth

4.5 Europe Vanadium Redox Battery (VRB) Store Energy Sales Growth

4.6 Middle East & Africa Vanadium Redox Battery (VRB) Store Energy Sales Growth

5 AMERICAS

5.1 Americas Vanadium Redox Battery (VRB) Store Energy Sales by Country

5.1.1 Americas Vanadium Redox Battery (VRB) Store Energy Sales by Country (2020-2025)

5.1.2 Americas Vanadium Redox Battery (VRB) Store Energy Revenue by Country (2020-2025)

5.2 Americas Vanadium Redox Battery (VRB) Store Energy Sales by Type (2020-2025)

5.3 Americas Vanadium Redox Battery (VRB) Store Energy Sales by Application (2020-2025)

5.4 United States

5.5 Canada

5.6 Mexico

5.7 Brazil

6 APAC

6.1 APAC Vanadium Redox Battery (VRB) Store Energy Sales by Region

6.1.1 APAC Vanadium Redox Battery (VRB) Store Energy Sales by Region (2020-2025)

6.1.2 APAC Vanadium Redox Battery (VRB) Store Energy Revenue by Region (2020-2025)

6.2 APAC Vanadium Redox Battery (VRB) Store Energy Sales by Type (2020-2025)

6.3 APAC Vanadium Redox Battery (VRB) Store Energy Sales by Application (2020-2025)

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 Vanadium Redox Battery (VRB) Store Energy by Country
 - 7.1.1 Europe Vanadium Redox Battery (VRB) Store Energy Sales by Country (2020-2025)
 - 7.1.2 Europe Vanadium Redox Battery (VRB) Store Energy Revenue by Country (2020-2025)
- 7.2 Europe Vanadium Redox Battery (VRB) Store Energy Sales by Type (2020-2025)
- 7.3 Europe Vanadium Redox Battery (VRB) Store Energy Sales by Application (2020-2025)
- 7.4 Germany
- 7.5 France
- 7.6 UK
- 7.7 Italy
- 7.8 Russia

8 MIDDLE EAST & AFRICA

- 8.1 Middle East & Africa Vanadium Redox Battery (VRB) Store Energy by Country
 - 8.1.1 Middle East & Africa Vanadium Redox Battery (VRB) Store Energy Sales by Country (2020-2025)
 - 8.1.2 Middle East & Africa Vanadium Redox Battery (VRB) Store Energy Revenue by Country (2020-2025)
- 8.2 Middle East & Africa Vanadium Redox Battery (VRB) Store Energy Sales by Type (2020-2025)
- 8.3 Middle East & Africa Vanadium Redox Battery (VRB) Store Energy Sales by Application (2020-2025)
- 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 Vanadium Redox Battery (VRB) Store Energy

10.3 Manufacturing Process Analysis of Vanadium Redox Battery (VRB) Store Energy

10.4 Industry Chain Structure of Vanadium Redox Battery (VRB) Store Energy

11 MARKETING, DISTRIBUTORS AND CUSTOMER

11.1 Sales Channel

11.1.1 Direct Channels

11.1.2 Indirect Channels

11.2 Vanadium Redox Battery (VRB) Store Energy Distributors

11.3 Vanadium Redox Battery (VRB) Store Energy Customer

12 WORLD FORECAST REVIEW FOR VANADIUM REDOX BATTERY (VRB) STORE ENERGY BY GEOGRAPHIC REGION

12.1 Global Vanadium Redox Battery (VRB) Store Energy Market Size Forecast by Region

12.1.1 Global Vanadium Redox Battery (VRB) Store Energy Forecast by Region (2026-2031)

12.1.2 Global Vanadium Redox Battery (VRB) Store Energy Annual Revenue Forecast by Region (2026-2031)

12.2 Americas Forecast by Country (2026-2031)

12.3 APAC Forecast by Region (2026-2031)

12.4 Europe Forecast by Country (2026-2031)

12.5 Middle East & Africa Forecast by Country (2026-2031)

12.6 Global Vanadium Redox Battery (VRB) Store Energy Forecast by Type (2026-2031)

12.7 Global Vanadium Redox Battery (VRB) Store Energy Forecast by Application (2026-2031)

13 KEY PLAYERS ANALYSIS

13.1 Rongke Power

13.1.1 Rongke Power Company Information

13.1.2 Rongke Power Vanadium Redox Battery (VRB) Store Energy Product Portfolios and Specifications

13.1.3 Rongke Power Vanadium Redox Battery (VRB) Store Energy Sales, Revenue, Price and Gross Margin (2020-2025)

13.1.4 Rongke Power Main Business Overview

13.1.5 Rongke Power Latest Developments

13.2 VRB Energy

13.2.1 VRB Energy Company Information

13.2.2 VRB Energy Vanadium Redox Battery (VRB) Store Energy Product Portfolios and Specifications

13.2.3 VRB Energy Vanadium Redox Battery (VRB) Store Energy Sales, Revenue, Price and Gross Margin (2020-2025)

13.2.4 VRB Energy Main Business Overview

13.2.5 VRB Energy Latest Developments

13.3 Shanghai Electric

13.3.1 Shanghai Electric Company Information

13.3.2 Shanghai Electric Vanadium Redox Battery (VRB) Store Energy Product Portfolios and Specifications

13.3.3 Shanghai Electric Vanadium Redox Battery (VRB) Store Energy Sales, Revenue, Price and Gross Margin (2020-2025)

13.3.4 Shanghai Electric Main Business Overview

13.3.5 Shanghai Electric Latest Developments

13.4 State Grid Yingda

13.4.1 State Grid Yingda Company Information

13.4.2 State Grid Yingda Vanadium Redox Battery (VRB) Store Energy Product Portfolios and Specifications

13.4.3 State Grid Yingda Vanadium Redox Battery (VRB) Store Energy Sales, Revenue, Price and Gross Margin (2020-2025)

13.4.4 State Grid Yingda Main Business Overview

13.4.5 State Grid Yingda Latest Developments

13.5 Invinity Energy Systems

13.5.1 Invinity Energy Systems Company Information

13.5.2 Invinity Energy Systems Vanadium Redox Battery (VRB) Store Energy Product Portfolios and Specifications

13.5.3 Invinity Energy Systems Vanadium Redox Battery (VRB) Store Energy Sales, Revenue, Price and Gross Margin (2020-2025)

- 13.5.4 Invinity Energy Systems Main Business Overview
- 13.5.5 Invinity Energy Systems Latest Developments
- 13.6 CellCube
 - 13.6.1 CellCube Company Information
 - 13.6.2 CellCube Vanadium Redox Battery (VRB) Store Energy Product Portfolios and Specifications
 - 13.6.3 CellCube Vanadium Redox Battery (VRB) Store Energy Sales, Revenue, Price and Gross Margin (2020-2025)
 - 13.6.4 CellCube Main Business Overview
 - 13.6.5 CellCube Latest Developments
- 13.7 Australian Vanadium
 - 13.7.1 Australian Vanadium Company Information
 - 13.7.2 Australian Vanadium Vanadium Redox Battery (VRB) Store Energy Product Portfolios and Specifications
 - 13.7.3 Australian Vanadium Vanadium Redox Battery (VRB) Store Energy Sales, Revenue, Price and Gross Margin (2020-2025)
 - 13.7.4 Australian Vanadium Main Business Overview
 - 13.7.5 Australian Vanadium Latest Developments
- 13.8 StorEn Technologies
 - 13.8.1 StorEn Technologies Company Information
 - 13.8.2 StorEn Technologies Vanadium Redox Battery (VRB) Store Energy Product Portfolios and Specifications
 - 13.8.3 StorEn Technologies Vanadium Redox Battery (VRB) Store Energy Sales, Revenue, Price and Gross Margin (2020-2025)
 - 13.8.4 StorEn Technologies Main Business Overview
 - 13.8.5 StorEn Technologies Latest Developments
- 13.9 Stryten Energy
 - 13.9.1 Stryten Energy Company Information
 - 13.9.2 Stryten Energy Vanadium Redox Battery (VRB) Store Energy Product Portfolios and Specifications
 - 13.9.3 Stryten Energy Vanadium Redox Battery (VRB) Store Energy Sales, Revenue, Price and Gross Margin (2020-2025)
 - 13.9.4 Stryten Energy Main Business Overview
 - 13.9.5 Stryten Energy Latest Developments
- 13.10 VFlowTech
 - 13.10.1 VFlowTech Company Information
 - 13.10.2 VFlowTech Vanadium Redox Battery (VRB) Store Energy Product Portfolios and Specifications
 - 13.10.3 VFlowTech Vanadium Redox Battery (VRB) Store Energy Sales, Revenue,

Price and Gross Margin (2020-2025)

13.10.4 VFlowTech Main Business Overview

13.10.5 VFlowTech Latest Developments

13.11 Sumitomo Electric

13.11.1 Sumitomo Electric Company Information

13.11.2 Sumitomo Electric Vanadium Redox Battery (VRB) Store Energy Product

Portfolios and Specifications

13.11.3 Sumitomo Electric Vanadium Redox Battery (VRB) Store Energy Sales, Revenue, Price and Gross Margin (2020-2025)

13.11.4 Sumitomo Electric Main Business Overview

13.11.5 Sumitomo Electric Latest Developments

13.12 Largo

13.12.1 Largo Company Information

13.12.2 Largo Vanadium Redox Battery (VRB) Store Energy Product Portfolios and Specifications

13.12.3 Largo Vanadium Redox Battery (VRB) Store Energy Sales, Revenue, Price and Gross Margin (2020-2025)

13.12.4 Largo Main Business Overview

13.12.5 Largo Latest Developments

14 RESEARCH FINDINGS AND CONCLUSION

LIST OF TABLES

Table 1. Vanadium Redox Battery (VRB) Store Energy Annual Sales CAGR by Geographic Region (2020, 2024 & 2031) & (\$ millions)

Table 2. Vanadium Redox Battery (VRB) Store Energy Annual Sales CAGR by Country/Region (2020, 2024 & 2031) & (\$ millions)

Table 3. Major Players of Full-fluorination Ion Exchange Membrane

Table 4. Major Players of Non-fluorination Ion Exchange Membrane

Table 5. Global Vanadium Redox Battery (VRB) Store Energy Sales by Type (2020-2025) & (kWh)

Table 6. Global Vanadium Redox Battery (VRB) Store Energy Sales Market Share by Type (2020-2025)

Table 7. Global Vanadium Redox Battery (VRB) Store Energy Revenue by Type (2020-2025) & (\$ million)

Table 8. Global Vanadium Redox Battery (VRB) Store Energy Revenue Market Share by Type (2020-2025)

Table 9. Global Vanadium Redox Battery (VRB) Store Energy Sale Price byType
(2020-2025) & (US\$/kWh)

Table 10. Global Vanadium Redox Battery (VRB) Store Energy Sale by Application
(2020-2025) & (kWh)

Table 11. Global Vanadium Redox Battery (VRB) Store Energy Sale Market Share by
Application (2020-2025)

Table 12. Global Vanadium Redox Battery (VRB) Store Energy Revenue by Application
(2020-2025) & (\$ million)

Table 13. Global Vanadium Redox Battery (VRB) Store Energy Revenue Market Share
by Application (2020-2025)

Table 14. Global Vanadium Redox Battery (VRB) Store Energy Sale Price by
Application (2020-2025) & (US\$/kWh)

Table 15. Global Vanadium Redox Battery (VRB) Store Energy Sales by Company
(2020-2025) & (kWh)

Table 16. Global Vanadium Redox Battery (VRB) Store Energy Sales Market Share by
Company (2020-2025)

Table 17. Global Vanadium Redox Battery (VRB) Store Energy Revenue by Company
(2020-2025) & (\$ millions)

Table 18. Global Vanadium Redox Battery (VRB) Store Energy Revenue Market Share
by Company (2020-2025)

Table 19. Global Vanadium Redox Battery (VRB) Store Energy Sale Price by Company
(2020-2025) & (US\$/kWh)

Table 20. Key Manufacturers Vanadium Redox Battery (VRB) Store Energy Producing
Area Distribution and Sales Area

Table 21. Players Vanadium Redox Battery (VRB) Store Energy Products Offered

Table 22. Vanadium Redox Battery (VRB) Store Energy Concentration Ratio (CR3, CR5
and CR10) & (2023-2025)

Table 23. New Products and Potential Entrants

Table 24. Market M&A Activity & Strategy

Table 25. Global Vanadium Redox Battery (VRB) Store Energy Sales by Geographic
Region (2020-2025) & (kWh)

Table 26. Global Vanadium Redox Battery (VRB) Store Energy Sales Market Share
Geographic Region (2020-2025)

Table 27. Global Vanadium Redox Battery (VRB) Store Energy Revenue by Geographic
Region (2020-2025) & (\$ millions)

Table 28. Global Vanadium Redox Battery (VRB) Store Energy Revenue Market Share
by Geographic Region (2020-2025)

Table 29. Global Vanadium Redox Battery (VRB) Store Energy Sales by
Country/Region (2020-2025) & (kWh)

Table 30. Global Vanadium Redox Battery (VRB) Store Energy Sales Market Share by Country/Region (2020-2025)

Table 31. Global Vanadium Redox Battery (VRB) Store Energy Revenue by Country/Region (2020-2025) & (\$ millions)

Table 32. Global Vanadium Redox Battery (VRB) Store Energy Revenue Market Share by Country/Region (2020-2025)

Table 33. Americas Vanadium Redox Battery (VRB) Store Energy Sales by Country (2020-2025) & (kWh)

Table 34. Americas Vanadium Redox Battery (VRB) Store Energy Sales Market Share by Country (2020-2025)

Table 35. Americas Vanadium Redox Battery (VRB) Store Energy Revenue by Country (2020-2025) & (\$ millions)

Table 36. Americas Vanadium Redox Battery (VRB) Store Energy Sales byType (2020-2025) & (kWh)

Table 37. Americas Vanadium Redox Battery (VRB) Store Energy Sales by Application (2020-2025) & (kWh)

Table 38. APAC Vanadium Redox Battery (VRB) Store Energy Sales by Region (2020-2025) & (kWh)

Table 39. APAC Vanadium Redox Battery (VRB) Store Energy Sales Market Share by Region (2020-2025)

Table 40. APAC Vanadium Redox Battery (VRB) Store Energy Revenue by Region (2020-2025) & (\$ millions)

Table 41. APAC Vanadium Redox Battery (VRB) Store Energy Sales byType (2020-2025) & (kWh)

Table 42. APAC Vanadium Redox Battery (VRB) Store Energy Sales by Application (2020-2025) & (kWh)

Table 43. Europe Vanadium Redox Battery (VRB) Store Energy Sales by Country (2020-2025) & (kWh)

Table 44. Europe Vanadium Redox Battery (VRB) Store Energy Revenue by Country (2020-2025) & (\$ millions)

Table 45. Europe Vanadium Redox Battery (VRB) Store Energy Sales byType (2020-2025) & (kWh)

Table 46. Europe Vanadium Redox Battery (VRB) Store Energy Sales by Application (2020-2025) & (kWh)

Table 47. Middle East & Africa Vanadium Redox Battery (VRB) Store Energy Sales by Country (2020-2025) & (kWh)

Table 48. Middle East & Africa Vanadium Redox Battery (VRB) Store Energy Revenue Market Share by Country (2020-2025)

Table 49. Middle East & Africa Vanadium Redox Battery (VRB) Store Energy Sales

byType (2020-2025) & (kWh)

Table 50. Middle East & Africa Vanadium Redox Battery (VRB) Store Energy Sales by Application (2020-2025) & (kWh)

Table 51. Key Market Drivers & Growth Opportunities of Vanadium Redox Battery (VRB) Store Energy

Table 52. Key Market Challenges & Risks of Vanadium Redox Battery (VRB) Store Energy

Table 53. Key Industry Trends of Vanadium Redox Battery (VRB) Store Energy

Table 54. Vanadium Redox Battery (VRB) Store Energy Raw Material

Table 55. Key Suppliers of Raw Materials

Table 56. Vanadium Redox Battery (VRB) Store Energy Distributors List

Table 57. Vanadium Redox Battery (VRB) Store Energy Customer List

Table 58. Global Vanadium Redox Battery (VRB) Store Energy Sales Forecast by Region (2026-2031) & (kWh)

Table 59. Global Vanadium Redox Battery (VRB) Store Energy Revenue Forecast by Region (2026-2031) & (\$ millions)

Table 60. Americas Vanadium Redox Battery (VRB) Store Energy Sales Forecast by Country (2026-2031) & (kWh)

Table 61. Americas Vanadium Redox Battery (VRB) Store Energy Annual Revenue Forecast by Country (2026-2031) & (\$ millions)

Table 62. APAC Vanadium Redox Battery (VRB) Store Energy Sales Forecast by Region (2026-2031) & (kWh)

Table 63. APAC Vanadium Redox Battery (VRB) Store Energy Annual Revenue Forecast by Region (2026-2031) & (\$ millions)

Table 64. Europe Vanadium Redox Battery (VRB) Store Energy Sales Forecast by Country (2026-2031) & (kWh)

Table 65. Europe Vanadium Redox Battery (VRB) Store Energy Revenue Forecast by Country (2026-2031) & (\$ millions)

Table 66. Middle East & Africa Vanadium Redox Battery (VRB) Store Energy Sales Forecast by Country (2026-2031) & (kWh)

Table 67. Middle East & Africa Vanadium Redox Battery (VRB) Store Energy Revenue Forecast by Country (2026-2031) & (\$ millions)

Table 68. Global Vanadium Redox Battery (VRB) Store Energy Sales Forecast by Type (2026-2031) & (kWh)

Table 69. Global Vanadium Redox Battery (VRB) Store Energy Revenue Forecast by Type (2026-2031) & (\$ millions)

Table 70. Global Vanadium Redox Battery (VRB) Store Energy Sales Forecast by Application (2026-2031) & (kWh)

Table 71. Global Vanadium Redox Battery (VRB) Store Energy Revenue Forecast by

Application (2026-2031) & (\$ millions)

Table 72. Rongke Power Basic Information, Vanadium Redox Battery (VRB) Store Energy Manufacturing Base, Sales Area and Its Competitors

Table 73. Rongke Power Vanadium Redox Battery (VRB) Store Energy Product Portfolios and Specifications

Table 74. Rongke Power Vanadium Redox Battery (VRB) Store Energy Sales (kWh), Revenue (\$ Million), Price (US\$/kWh) and Gross Margin (2020-2025)

Table 75. Rongke Power Main Business

Table 76. Rongke Power Latest Developments

Table 77. VRB Energy Basic Information, Vanadium Redox Battery (VRB) Store Energy Manufacturing Base, Sales Area and Its Competitors

Table 78. VRB Energy Vanadium Redox Battery (VRB) Store Energy Product Portfolios and Specifications

Table 79. VRB Energy Vanadium Redox Battery (VRB) Store Energy Sales (kWh), Revenue (\$ Million), Price (US\$/kWh) and Gross Margin (2020-2025)

Table 80. VRB Energy Main Business

Table 81. VRB Energy Latest Developments

Table 82. Shanghai Electric Basic Information, Vanadium Redox Battery (VRB) Store Energy Manufacturing Base, Sales Area and Its Competitors

Table 83. Shanghai Electric Vanadium Redox Battery (VRB) Store Energy Product Portfolios and Specifications

Table 84. Shanghai Electric Vanadium Redox Battery (VRB) Store Energy Sales (kWh), Revenue (\$ Million), Price (US\$/kWh) and Gross Margin (2020-2025)

Table 85. Shanghai Electric Main Business

Table 86. Shanghai Electric Latest Developments

Table 87. State Grid Yingda Basic Information, Vanadium Redox Battery (VRB) Store Energy Manufacturing Base, Sales Area and Its Competitors

Table 88. State Grid Yingda Vanadium Redox Battery (VRB) Store Energy Product Portfolios and Specifications

Table 89. State Grid Yingda Vanadium Redox Battery (VRB) Store Energy Sales (kWh), Revenue (\$ Million), Price (US\$/kWh) and Gross Margin (2020-2025)

Table 90. State Grid Yingda Main Business

Table 91. State Grid Yingda Latest Developments

Table 92. Invinity Energy Systems Basic Information, Vanadium Redox Battery (VRB) Store Energy Manufacturing Base, Sales Area and Its Competitors

Table 93. Invinity Energy Systems Vanadium Redox Battery (VRB) Store Energy Product Portfolios and Specifications

Table 94. Invinity Energy Systems Vanadium Redox Battery (VRB) Store Energy Sales (kWh), Revenue (\$ Million), Price (US\$/kWh) and Gross Margin (2020-2025)

Table 95. Invinity Energy Systems Main Business

Table 96. Invinity Energy Systems Latest Developments

Table 97. CellCube Basic Information, Vanadium Redox Battery (VRB) Store Energy Manufacturing Base, Sales Area and Its Competitors

Table 98. CellCube Vanadium Redox Battery (VRB) Store Energy Product Portfolios and Specifications

Table 99. CellCube Vanadium Redox Battery (VRB) Store Energy Sales (kWh), Revenue (\$ Million), Price (US\$/kWh) and Gross Margin (2020-2025)

Table 100. CellCube Main Business

Table 101. CellCube Latest Developments

Table 102. Australian Vanadium Basic Information, Vanadium Redox Battery (VRB) Store Energy Manufacturing Base, Sales Area and Its Competitors

Table 103. Australian Vanadium Vanadium Redox Battery (VRB) Store Energy Product Portfolios and Specifications

Table 104. Australian Vanadium Vanadium Redox Battery (VRB) Store Energy Sales (kWh), Revenue (\$ Million), Price (US\$/kWh) and Gross Margin (2020-2025)

Table 105. Australian Vanadium Main Business

Table 106. Australian Vanadium Latest Developments

Table 107. StorEnTechnologies Basic Information, Vanadium Redox Battery (VRB) Store Energy Manufacturing Base, Sales Area and Its Competitors

Table 108. StorEnTechnologies Vanadium Redox Battery (VRB) Store Energy Product Portfolios and Specifications

Table 109. StorEnTechnologies Vanadium Redox Battery (VRB) Store Energy Sales (kWh), Revenue (\$ Million), Price (US\$/kWh) and Gross Margin (2020-2025)

Table 110. StorEnTechnologies Main Business

Table 111. StorEnTechnologies Latest Developments

Table 112. Stryten Energy Basic Information, Vanadium Redox Battery (VRB) Store Energy Manufacturing Base, Sales Area and Its Competitors

Table 113. Stryten Energy Vanadium Redox Battery (VRB) Store Energy Product Portfolios and Specifications

Table 114. Stryten Energy Vanadium Redox Battery (VRB) Store Energy Sales (kWh), Revenue (\$ Million), Price (US\$/kWh) and Gross Margin (2020-2025)

Table 115. Stryten Energy Main Business

Table 116. Stryten Energy Latest Developments

Table 117. VFlowTech Basic Information, Vanadium Redox Battery (VRB) Store Energy Manufacturing Base, Sales Area and Its Competitors

Table 118. VFlowTech Vanadium Redox Battery (VRB) Store Energy Product Portfolios and Specifications

Table 119. VFlowTech Vanadium Redox Battery (VRB) Store Energy Sales (kWh),

Revenue (\$ Million), Price (US\$/kWh) and Gross Margin (2020-2025)

Table 120. VFlowTech Main Business

Table 121. VFlowTech Latest Developments

Table 122. Sumitomo Electric Basic Information, Vanadium Redox Battery (VRB) Store Energy Manufacturing Base, Sales Area and Its Competitors

Table 123. Sumitomo Electric Vanadium Redox Battery (VRB) Store Energy Product Portfolios and Specifications

Table 124. Sumitomo Electric Vanadium Redox Battery (VRB) Store Energy Sales (kWh), Revenue (\$ Million), Price (US\$/kWh) and Gross Margin (2020-2025)

Table 125. Sumitomo Electric Main Business

Table 126. Sumitomo Electric Latest Developments

Table 127. Largo Basic Information, Vanadium Redox Battery (VRB) Store Energy Manufacturing Base, Sales Area and Its Competitors

Table 128. Largo Vanadium Redox Battery (VRB) Store Energy Product Portfolios and Specifications

Table 129. Largo Vanadium Redox Battery (VRB) Store Energy Sales (kWh), Revenue (\$ Million), Price (US\$/kWh) and Gross Margin (2020-2025)

Table 130. Largo Main Business

Table 131. Largo Latest Developments

LIST OFFIGURES

Figure 1. Picture of Vanadium Redox Battery (VRB) Store Energy

Figure 2. Vanadium Redox Battery (VRB) Store Energy Report Years Considered

Figure 3. Research Objectives

Figure 4. Research Methodology

Figure 5. Research Process and Data Source

Figure 6. Global Vanadium Redox Battery (VRB) Store Energy Sales Growth Rate 2020-2031 (kWh)

Figure 7. Global Vanadium Redox Battery (VRB) Store Energy Revenue Growth Rate 2020-2031 (\$ millions)

Figure 8. Vanadium Redox Battery (VRB) Store Energy Sales by Geographic Region (2020, 2024 & 2031) & (\$ millions)

Figure 9. Vanadium Redox Battery (VRB) Store Energy Sales Market Share by Country/Region (2024)

Figure 10. Vanadium Redox Battery (VRB) Store Energy Sales Market Share by Country/Region (2020, 2024 & 2031)

Figure 11. Product Picture of Full-fluorination Ion Exchange Membrane

Figure 12. Product Picture of Non-fluorination Ion Exchange Membrane

Figure 13. Global Vanadium Redox Battery (VRB) Store Energy Sales Market Share by Type in 2025

Figure 14. Global Vanadium Redox Battery (VRB) Store Energy Revenue Market Share by Type (2020-2025)

Figure 15. Vanadium Redox Battery (VRB) Store Energy Consumed in Power Generation

Figure 16. Global Vanadium Redox Battery (VRB) Store Energy Market: Power Generation (2020-2025) & (kWh)

Figure 17. Vanadium Redox Battery (VRB) Store Energy Consumed in Grid

Figure 18. Global Vanadium Redox Battery (VRB) Store Energy Market: Grid (2020-2025) & (kWh)

Figure 19. Vanadium Redox Battery (VRB) Store Energy Consumed in Electricity

Figure 20. Global Vanadium Redox Battery (VRB) Store Energy Market: Electricity (2020-2025) & (kWh)

Figure 21. Global Vanadium Redox Battery (VRB) Store Energy Sale Market Share by Application (2024)

Figure 22. Global Vanadium Redox Battery (VRB) Store Energy Revenue Market Share by Application in 2025

Figure 23. Vanadium Redox Battery (VRB) Store Energy Sales by Company in 2025 (kWh)

Figure 24. Global Vanadium Redox Battery (VRB) Store Energy Sales Market Share by Company in 2025

Figure 25. Vanadium Redox Battery (VRB) Store Energy Revenue by Company in 2025 (\$ millions)

Figure 26. Global Vanadium Redox Battery (VRB) Store Energy Revenue Market Share by Company in 2025

Figure 27. Global Vanadium Redox Battery (VRB) Store Energy Sales Market Share by Geographic Region (2020-2025)

Figure 28. Global Vanadium Redox Battery (VRB) Store Energy Revenue Market Share by Geographic Region in 2025

Figure 29. Americas Vanadium Redox Battery (VRB) Store Energy Sales 2020-2025 (kWh)

Figure 30. Americas Vanadium Redox Battery (VRB) Store Energy Revenue 2020-2025 (\$ millions)

Figure 31. APAC Vanadium Redox Battery (VRB) Store Energy Sales 2020-2025 (kWh)

Figure 32. APAC Vanadium Redox Battery (VRB) Store Energy Revenue 2020-2025 (\$ millions)

Figure 33. Europe Vanadium Redox Battery (VRB) Store Energy Sales 2020-2025 (kWh)

Figure 34. Europe Vanadium Redox Battery (VRB) Store Energy Revenue 2020-2025 (\$ millions)

Figure 35. Middle East & Africa Vanadium Redox Battery (VRB) Store Energy Sales 2020-2025 (kWh)

Figure 36. Middle East & Africa Vanadium Redox Battery (VRB) Store Energy Revenue 2020-2025 (\$ millions)

Figure 37. Americas Vanadium Redox Battery (VRB) Store Energy Sales Market Share by Country in 2025

Figure 38. Americas Vanadium Redox Battery (VRB) Store Energy Revenue Market Share by Country (2020-2025)

Figure 39. Americas Vanadium Redox Battery (VRB) Store Energy Sales Market Share byType (2020-2025)

Figure 40. Americas Vanadium Redox Battery (VRB) Store Energy Sales Market Share by Application (2020-2025)

Figure 41. United States Vanadium Redox Battery (VRB) Store Energy Revenue Growth 2020-2025 (\$ millions)

Figure 42. Canada Vanadium Redox Battery (VRB) Store Energy Revenue Growth 2020-2025 (\$ millions)

Figure 43. Mexico Vanadium Redox Battery (VRB) Store Energy Revenue Growth 2020-2025 (\$ millions)

Figure 44. Brazil Vanadium Redox Battery (VRB) Store Energy Revenue Growth 2020-2025 (\$ millions)

Figure 45. APAC Vanadium Redox Battery (VRB) Store Energy Sales Market Share by Region in 2025

Figure 46. APAC Vanadium Redox Battery (VRB) Store Energy Revenue Market Share by Region (2020-2025)

Figure 47. APAC Vanadium Redox Battery (VRB) Store Energy Sales Market Share byType (2020-2025)

Figure 48. APAC Vanadium Redox Battery (VRB) Store Energy Sales Market Share by Application (2020-2025)

Figure 49. China Vanadium Redox Battery (VRB) Store Energy Revenue Growth 2020-2025 (\$ millions)

Figure 50. Japan Vanadium Redox Battery (VRB) Store Energy Revenue Growth 2020-2025 (\$ millions)

Figure 51. South Korea Vanadium Redox Battery (VRB) Store Energy Revenue Growth 2020-2025 (\$ millions)

Figure 52. Southeast Asia Vanadium Redox Battery (VRB) Store Energy Revenue

Growth 2020-2025 (\$ millions)

Figure 53. India Vanadium Redox Battery (VRB) Store Energy Revenue Growth 2020-2025 (\$ millions)

Figure 54. Australia Vanadium Redox Battery (VRB) Store Energy Revenue Growth 2020-2025 (\$ millions)

Figure 55. ChinaTaiwan Vanadium Redox Battery (VRB) Store Energy Revenue Growth 2020-2025 (\$ millions)

Figure 56. Europe Vanadium Redox Battery (VRB) Store Energy Sales Market Share by Country in 2025

Figure 57. Europe Vanadium Redox Battery (VRB) Store Energy Revenue Market Share by Country (2020-2025)

Figure 58. Europe Vanadium Redox Battery (VRB) Store Energy Sales Market Share byType (2020-2025)

Figure 59. Europe Vanadium Redox Battery (VRB) Store Energy Sales Market Share by Application (2020-2025)

Figure 60. Germany Vanadium Redox Battery (VRB) Store Energy Revenue Growth 2020-2025 (\$ millions)

Figure 61. France Vanadium Redox Battery (VRB) Store Energy Revenue Growth 2020-2025 (\$ millions)

Figure 62. UK Vanadium Redox Battery (VRB) Store Energy Revenue Growth 2020-2025 (\$ millions)

Figure 63. Italy Vanadium Redox Battery (VRB) Store Energy Revenue Growth 2020-2025 (\$ millions)

Figure 64. Russia Vanadium Redox Battery (VRB) Store Energy Revenue Growth 2020-2025 (\$ millions)

Figure 65. Middle East & Africa Vanadium Redox Battery (VRB) Store Energy Sales Market Share by Country (2020-2025)

Figure 66. Middle East & Africa Vanadium Redox Battery (VRB) Store Energy Sales Market Share byType (2020-2025)

Figure 67. Middle East & Africa Vanadium Redox Battery (VRB) Store Energy Sales Market Share by Application (2020-2025)

Figure 68. Egypt Vanadium Redox Battery (VRB) Store Energy Revenue Growth 2020-2025 (\$ millions)

Figure 69. South Africa Vanadium Redox Battery (VRB) Store Energy Revenue Growth 2020-2025 (\$ millions)

Figure 70. Israel Vanadium Redox Battery (VRB) Store Energy Revenue Growth 2020-2025 (\$ millions)

Figure 71. Turkey Vanadium Redox Battery (VRB) Store Energy Revenue Growth 2020-2025 (\$ millions)

Figure 72. GCC Countries Vanadium Redox Battery (VRB) Store Energy Revenue Growth 2020-2025 (\$ millions)

Figure 73. Manufacturing Cost Structure Analysis of Vanadium Redox Battery (VRB) Store Energy in 2025

Figure 74. Manufacturing Process Analysis of Vanadium Redox Battery (VRB) Store Energy

Figure 75. Industry Chain Structure of Vanadium Redox Battery (VRB) Store Energy

Figure 76. Channels of Distribution

Figure 77. Global Vanadium Redox Battery (VRB) Store Energy Sales MarketForecast by Region (2026-2031)

Figure 78. Global Vanadium Redox Battery (VRB) Store Energy Revenue Market ShareForecast by Region (2026-2031)

Figure 79. Global Vanadium Redox Battery (VRB) Store Energy Sales Market ShareForecast byType (2026-2031)

Figure 80. Global Vanadium Redox Battery (VRB) Store Energy Revenue Market ShareForecast byType (2026-2031)

Figure 81. Global Vanadium Redox Battery (VRB) Store Energy Sales Market ShareForecast by Application (2026-2031)

Figure 82. Global Vanadium Redox Battery (VRB) Store Energy Revenue Market ShareForecast by Application (2026-2031)

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