

Global Vanadium Redox Flow Battery Membrane Supply, Demand and Key Producers, 2026-2032

<https://marketpublishers.com/r/GB85D7E564A9EN.html>

Date: August 2026

Pages: 133

Price: US\$ 4,480.00 (Single User License)

ID: GB85D7E564A9EN

Abstracts

The global Vanadium Redox Flow Battery Membrane market size is expected to reach \$ 723 million by 2032, rising at a market growth of 16.5% CAGR during the forecast period (2026-2032).

In 2025, global Vanadium Redox Flow Battery Membrane production reached approximately 2.01 million Sqm, with an average global market price of around US\$118 per Sqm. The vanadium redox flow battery membrane is a key component of the vanadium redox flow battery, and its cost accounts for 60%-70% of the battery stack. The diaphragm of the vanadium battery must inhibit the cross-mixing of vanadium ions of different valence states in the positive and negative electrolytes, while not hindering the passage of hydrogen ions through the diaphragm to transfer charge, fluorinated acid ion exchange membranes are usually used.

The global vanadium redox flow battery (VRFB) membrane market is driven by the expansion of the long-duration energy storage sector. Major economies worldwide have introduced supportive policies: China lists VRFB membranes as a key material for R&D breakthroughs, with supporting funds and demonstration projects to drive industrial implementation; the U.S. Department of Energy allocates special funding for long-duration storage technology; the EU classifies VRFB as green energy technology and provides policy incentives for relevant projects. Long-term demand for renewable energy grid integration and peak load regulation sustains market growth for VRFBs and their upstream membrane materials.

The supply side presents a differentiated competitive landscape. Perfluorosulfonic acid membranes serve as the mainstream technical route, with leading enterprises mastering core resin synthesis and membrane-forming processes and occupying major

market share with stable performance. Non-fluorinated and composite membranes focus on cost optimization, with multiple enterprises completing pilot verification and advancing mass production, while their overall commercial maturity remains limited. Membrane performance in ion selectivity, chemical stability and cost directly defines VRFB system efficiency, lifespan and economics, making it a core R&D priority across the industrial chain.

Rising requirements for localized energy storage supply chains increase trade compliance costs and drive regional capacity deployment. Improving industry standards set clear performance specifications for membranes, phasing out outdated capacity and accelerating technological progress. Deepened cross-chain collaboration, with joint development between membrane producers, stack manufacturers and system integrators becoming common practice, speeds up technology adoption and cost reduction.

This report studies the global Vanadium Redox Flow Battery Membrane production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Vanadium Redox Flow Battery Membrane and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Vanadium Redox Flow Battery Membrane that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Vanadium Redox Flow Battery Membrane total production and demand, 2021-2032, (K Sqm)

Global Vanadium Redox Flow Battery Membrane total production value, 2021-2032, (USD Million)

Global Vanadium Redox Flow Battery Membrane production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Sqm), (based on production site)

Global Vanadium Redox Flow Battery Membrane consumption by region & country, CAGR, 2021-2032 & (K Sqm)

U.S. VS China: Vanadium Redox Flow Battery Membrane domestic production, consumption, key domestic manufacturers and share

Global Vanadium Redox Flow Battery Membrane production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Sqm)

Global Vanadium Redox Flow Battery Membrane production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Sqm)

Global Vanadium Redox Flow Battery Membrane production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Sqm)

This report profiles key players in the global Vanadium Redox Flow Battery Membrane market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Chemours, AGC, FuMa-Tech, Suzhou Kerun New Materials, Shandong Dongyue Future Hydrogen Energy Materials, Shenzhen Zhonghe Energy Storage Technology, Ionomr Innovations, Amer-Sil, Guizhou Zhixi Technology, Shanxi Guorun Energy Storage Technology, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Vanadium Redox Flow Battery Membrane market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Sqm) and average price (US\$/Sq m) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Vanadium Redox Flow Battery Membrane Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Vanadium Redox Flow Battery Membrane Market, Segmentation by Type:

Ion-exchange Membrane

Porous Membrane

Global Vanadium Redox Flow Battery Membrane Market, Segmentation by Thickness:

Thickness 100?m

Global Vanadium Redox Flow Battery Membrane Market, Segmentation by Conductivity:

Conductivity ?0.05S/cm

Conductivity >0.05S/cm

Global Vanadium Redox Flow Battery Membrane Market, Segmentation by Application:

Vanadium Redox Flow Battery

Iron-based Flow Battery

Zinc-Bromine Flow Battery

Others

Companies Profiled:

Chemours

AGC

FuMa-Tech

Suzhou Kerun New Materials

Shandong Dongyue Future Hydrogen Energy Materials

Shenzhen Zhonghe Energy Storage Technology

Ionomr Innovations

Amer-Sil

Guizhou Zhixi Technology

Shanxi Guorun Energy Storage Technology

Shanghai Hyproof Technology

Key Questions Answered:

1. How big is the global Vanadium Redox Flow Battery Membrane market?
2. What is the demand of the global Vanadium Redox Flow Battery Membrane market?
3. What is the year over year growth of the global Vanadium Redox Flow Battery Membrane market?
4. What is the production and production value of the global Vanadium Redox Flow Battery Membrane market?
5. Who are the key producers in the global Vanadium Redox Flow Battery Membrane market?
6. What are the growth factors driving the market demand?

Contents

1 SUPPLY SUMMARY

- 1.1 Vanadium Redox Flow Battery Membrane Introduction
- 1.2 World Vanadium Redox Flow Battery Membrane Supply & Forecast
 - 1.2.1 World Vanadium Redox Flow Battery Membrane Production Value (2021 & 2025 & 2032)
 - 1.2.2 World Vanadium Redox Flow Battery Membrane Production (2021-2032)
 - 1.2.3 World Vanadium Redox Flow Battery Membrane Pricing Trends (2021-2032)
- 1.3 World Vanadium Redox Flow Battery Membrane Production by Region (Based on Production Site)
 - 1.3.1 World Vanadium Redox Flow Battery Membrane Production Value by Region (2021-2032)
 - 1.3.2 World Vanadium Redox Flow Battery Membrane Production by Region (2021-2032)
 - 1.3.3 World Vanadium Redox Flow Battery Membrane Average Price by Region (2021-2032)
 - 1.3.4 North America Vanadium Redox Flow Battery Membrane Production (2021-2032)
 - 1.3.5 Europe Vanadium Redox Flow Battery Membrane Production (2021-2032)
 - 1.3.6 China Vanadium Redox Flow Battery Membrane Production (2021-2032)
 - 1.3.7 Japan Vanadium Redox Flow Battery Membrane Production (2021-2032)
- 1.4 Market Drivers, Restraints and Trends
 - 1.4.1 Vanadium Redox Flow Battery Membrane Market Drivers
 - 1.4.2 Factors Affecting Demand
 - 1.4.3 Vanadium Redox Flow Battery Membrane Major Market Trends

2 DEMAND SUMMARY

- 2.1 World Vanadium Redox Flow Battery Membrane Demand (2021-2032)
- 2.2 World Vanadium Redox Flow Battery Membrane Consumption by Region
 - 2.2.1 World Vanadium Redox Flow Battery Membrane Consumption by Region (2021-2026)
 - 2.2.2 World Vanadium Redox Flow Battery Membrane Consumption Forecast by Region (2027-2032)
- 2.3 United States Vanadium Redox Flow Battery Membrane Consumption (2021-2032)
- 2.4 China Vanadium Redox Flow Battery Membrane Consumption (2021-2032)
- 2.5 Europe Vanadium Redox Flow Battery Membrane Consumption (2021-2032)

- 2.6 Japan Vanadium Redox Flow Battery Membrane Consumption (2021-2032)
- 2.7 South Korea Vanadium Redox Flow Battery Membrane Consumption (2021-2032)
- 2.8 ASEAN Vanadium Redox Flow Battery Membrane Consumption (2021-2032)
- 2.9 India Vanadium Redox Flow Battery Membrane Consumption (2021-2032)

3 WORLD MANUFACTURERS COMPETITIVE ANALYSIS

- 3.1 World Vanadium Redox Flow Battery Membrane Production Value by Manufacturer (2021-2026)
- 3.2 World Vanadium Redox Flow Battery Membrane Production by Manufacturer (2021-2026)
- 3.3 World Vanadium Redox Flow Battery Membrane Average Price by Manufacturer (2021-2026)
- 3.4 Vanadium Redox Flow Battery Membrane Company Evaluation Quadrant
- 3.5 Industry Rank and Concentration Rate (CR)
 - 3.5.1 Global Vanadium Redox Flow Battery Membrane Industry Rank of Major Manufacturers
 - 3.5.2 Global Concentration Ratios (CR4) for Vanadium Redox Flow Battery Membrane in 2025
 - 3.5.3 Global Concentration Ratios (CR8) for Vanadium Redox Flow Battery Membrane in 2025
- 3.6 Vanadium Redox Flow Battery Membrane Market: Overall Company Footprint Analysis
 - 3.6.1 Vanadium Redox Flow Battery Membrane Market: Region Footprint
 - 3.6.2 Vanadium Redox Flow Battery Membrane Market: Company Product Type Footprint
 - 3.6.3 Vanadium Redox Flow Battery Membrane Market: Company Product Application Footprint
- 3.7 Competitive Environment
 - 3.7.1 Historical Structure of the Industry
 - 3.7.2 Barriers of Market Entry
 - 3.7.3 Factors of Competition
- 3.8 New Entrant and Capacity Expansion Plans
- 3.9 Mergers, Acquisition, Agreements, and Collaborations

4 UNITED STATES VS CHINA VS REST OF THE WORLD

- 4.1 United States VS China: Vanadium Redox Flow Battery Membrane Production Value Comparison

4.1.1 United States VS China: Vanadium Redox Flow Battery Membrane Production Value Comparison (2021 & 2025 & 2032)

4.1.2 United States VS China: Vanadium Redox Flow Battery Membrane Production Value Market Share Comparison (2021 & 2025 & 2032)

4.2 United States VS China: Vanadium Redox Flow Battery Membrane Production Comparison

4.2.1 United States VS China: Vanadium Redox Flow Battery Membrane Production Comparison (2021 & 2025 & 2032)

4.2.2 United States VS China: Vanadium Redox Flow Battery Membrane Production Market Share Comparison (2021 & 2025 & 2032)

4.3 United States VS China: Vanadium Redox Flow Battery Membrane Consumption Comparison

4.3.1 United States VS China: Vanadium Redox Flow Battery Membrane Consumption Comparison (2021 & 2025 & 2032)

4.3.2 United States VS China: Vanadium Redox Flow Battery Membrane Consumption Market Share Comparison (2021 & 2025 & 2032)

4.4 United States Based Vanadium Redox Flow Battery Membrane Manufacturers and Market Share, 2021-2026

4.4.1 United States Based Vanadium Redox Flow Battery Membrane Manufacturers, Headquarters and Production Site (States, Country)

4.4.2 United States Based Manufacturers Vanadium Redox Flow Battery Membrane Production Value (2021-2026)

4.4.3 United States Based Manufacturers Vanadium Redox Flow Battery Membrane Production (2021-2026)

4.5 China Based Vanadium Redox Flow Battery Membrane Manufacturers and Market Share

4.5.1 China Based Vanadium Redox Flow Battery Membrane Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers Vanadium Redox Flow Battery Membrane Production Value (2021-2026)

4.5.3 China Based Manufacturers Vanadium Redox Flow Battery Membrane Production (2021-2026)

4.6 Rest of World Based Vanadium Redox Flow Battery Membrane Manufacturers and Market Share, 2021-2026

4.6.1 Rest of World Based Vanadium Redox Flow Battery Membrane Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers Vanadium Redox Flow Battery Membrane Production Value (2021-2026)

4.6.3 Rest of World Based Manufacturers Vanadium Redox Flow Battery Membrane

Production (2021-2026)

5 MARKET ANALYSIS BY TYPE

5.1 World Vanadium Redox Flow Battery Membrane Market Size Overview by Type:
2021 VS 2025 VS 2032

5.2 Segment Introduction by Type

5.2.1 Ion-exchange Membrane

5.2.2 Porous Membrane

5.3 Market Segment by Type

5.3.1 World Vanadium Redox Flow Battery Membrane Production by Type
(2021-2032)

5.3.2 World Vanadium Redox Flow Battery Membrane Production Value by Type
(2021-2032)

5.3.3 World Vanadium Redox Flow Battery Membrane Average Price by Type
(2021-2032)

6 MARKET ANALYSIS BY THICKNESS

6.1 World Vanadium Redox Flow Battery Membrane Market Size Overview by
Thickness: 2021 VS 2025 VS 2032

6.2 Segment Introduction by Thickness

6.2.1 Thickness 100?m

6.3 Market Segment by Thickness

6.3.1 World Vanadium Redox Flow Battery Membrane Production by Thickness
(2021-2032)

6.3.2 World Vanadium Redox Flow Battery Membrane Production Value by Thickness
(2021-2032)

6.3.3 World Vanadium Redox Flow Battery Membrane Average Price by Thickness
(2021-2032)

7 MARKET ANALYSIS BY CONDUCTIVITY

7.1 World Vanadium Redox Flow Battery Membrane Market Size Overview by
Conductivity: 2021 VS 2025 VS 2032

7.2 Segment Introduction by Conductivity

7.2.1 Conductivity ?0.05S/cm

7.2.2 Conductivity >0.05S/cm

7.3 Market Segment by Conductivity

7.3.1 World Vanadium Redox Flow Battery Membrane Production by Conductivity (2021-2032)

7.3.2 World Vanadium Redox Flow Battery Membrane Production Value by Conductivity (2021-2032)

7.3.3 World Vanadium Redox Flow Battery Membrane Average Price by Conductivity (2021-2032)

8 MARKET ANALYSIS BY APPLICATION

8.1 World Vanadium Redox Flow Battery Membrane Market Size Overview by Application: 2021 VS 2025 VS 2032

8.2 Segment Introduction by Application

8.2.1 Vanadium Redox Flow Battery

8.2.2 Iron-based Flow Battery

8.2.3 Zinc-Bromine Flow Battery

8.2.4 Others

8.3 Market Segment by Application

8.3.1 World Vanadium Redox Flow Battery Membrane Production by Application (2021-2032)

8.3.2 World Vanadium Redox Flow Battery Membrane Production Value by Application (2021-2032)

8.3.3 World Vanadium Redox Flow Battery Membrane Average Price by Application (2021-2032)

9 COMPANY PROFILES

9.1 Chemours

9.1.1 Chemours Details

9.1.2 Chemours Major Business

9.1.3 Chemours Vanadium Redox Flow Battery Membrane Product and Services

9.1.4 Chemours Vanadium Redox Flow Battery Membrane Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.1.5 Chemours Recent Developments/Updates

9.1.6 Chemours Competitive Strengths & Weaknesses

9.2 AGC

9.2.1 AGC Details

9.2.2 AGC Major Business

9.2.3 AGC Vanadium Redox Flow Battery Membrane Product and Services

9.2.4 AGC Vanadium Redox Flow Battery Membrane Production, Price, Value, Gross

Margin and Market Share (2021-2026)

9.2.5 AGC Recent Developments/Updates

9.2.6 AGC Competitive Strengths & Weaknesses

9.3 FuMa-Tech

9.3.1 FuMa-Tech Details

9.3.2 FuMa-Tech Major Business

9.3.3 FuMa-Tech Vanadium Redox Flow Battery Membrane Product and Services

9.3.4 FuMa-Tech Vanadium Redox Flow Battery Membrane Production, Price, Value,

Gross Margin and Market Share (2021-2026)

9.3.5 FuMa-Tech Recent Developments/Updates

9.3.6 FuMa-Tech Competitive Strengths & Weaknesses

9.4 Suzhou Kerun New Materials

9.4.1 Suzhou Kerun New Materials Details

9.4.2 Suzhou Kerun New Materials Major Business

9.4.3 Suzhou Kerun New Materials Vanadium Redox Flow Battery Membrane Product and Services

9.4.4 Suzhou Kerun New Materials Vanadium Redox Flow Battery Membrane Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.4.5 Suzhou Kerun New Materials Recent Developments/Updates

9.4.6 Suzhou Kerun New Materials Competitive Strengths & Weaknesses

9.5 Shandong Dongyue Future Hydrogen Energy Materials

9.5.1 Shandong Dongyue Future Hydrogen Energy Materials Details

9.5.2 Shandong Dongyue Future Hydrogen Energy Materials Major Business

9.5.3 Shandong Dongyue Future Hydrogen Energy Materials Vanadium Redox Flow Battery Membrane Product and Services

9.5.4 Shandong Dongyue Future Hydrogen Energy Materials Vanadium Redox Flow Battery Membrane Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.5.5 Shandong Dongyue Future Hydrogen Energy Materials Recent Developments/Updates

9.5.6 Shandong Dongyue Future Hydrogen Energy Materials Competitive Strengths & Weaknesses

9.6 Shenzhen Zhonghe Energy Storage Technology

9.6.1 Shenzhen Zhonghe Energy Storage Technology Details

9.6.2 Shenzhen Zhonghe Energy Storage Technology Major Business

9.6.3 Shenzhen Zhonghe Energy Storage Technology Vanadium Redox Flow Battery Membrane Product and Services

9.6.4 Shenzhen Zhonghe Energy Storage Technology Vanadium Redox Flow Battery Membrane Production, Price, Value, Gross Margin and Market Share (2021-2026)

- 9.6.5 Shenzhen Zhonghe Energy Storage Technology Recent Developments/Updates
- 9.6.6 Shenzhen Zhonghe Energy Storage Technology Competitive Strengths & Weaknesses
- 9.7 Ionomr Innovations
 - 9.7.1 Ionomr Innovations Details
 - 9.7.2 Ionomr Innovations Major Business
 - 9.7.3 Ionomr Innovations Vanadium Redox Flow Battery Membrane Product and Services
 - 9.7.4 Ionomr Innovations Vanadium Redox Flow Battery Membrane Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.7.5 Ionomr Innovations Recent Developments/Updates
 - 9.7.6 Ionomr Innovations Competitive Strengths & Weaknesses
- 9.8 Amer-Sil
 - 9.8.1 Amer-Sil Details
 - 9.8.2 Amer-Sil Major Business
 - 9.8.3 Amer-Sil Vanadium Redox Flow Battery Membrane Product and Services
 - 9.8.4 Amer-Sil Vanadium Redox Flow Battery Membrane Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.8.5 Amer-Sil Recent Developments/Updates
 - 9.8.6 Amer-Sil Competitive Strengths & Weaknesses
- 9.9 Guizhou Zhixi Technology
 - 9.9.1 Guizhou Zhixi Technology Details
 - 9.9.2 Guizhou Zhixi Technology Major Business
 - 9.9.3 Guizhou Zhixi Technology Vanadium Redox Flow Battery Membrane Product and Services
 - 9.9.4 Guizhou Zhixi Technology Vanadium Redox Flow Battery Membrane Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.9.5 Guizhou Zhixi Technology Recent Developments/Updates
 - 9.9.6 Guizhou Zhixi Technology Competitive Strengths & Weaknesses
- 9.10 Shanxi Guorun Energy Storage Technology
 - 9.10.1 Shanxi Guorun Energy Storage Technology Details
 - 9.10.2 Shanxi Guorun Energy Storage Technology Major Business
 - 9.10.3 Shanxi Guorun Energy Storage Technology Vanadium Redox Flow Battery Membrane Product and Services
 - 9.10.4 Shanxi Guorun Energy Storage Technology Vanadium Redox Flow Battery Membrane Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.10.5 Shanxi Guorun Energy Storage Technology Recent Developments/Updates
 - 9.10.6 Shanxi Guorun Energy Storage Technology Competitive Strengths & Weaknesses

9.11 Shanghai Hyproof Technology

9.11.1 Shanghai Hyproof Technology Details

9.11.2 Shanghai Hyproof Technology Major Business

9.11.3 Shanghai Hyproof Technology Vanadium Redox Flow Battery Membrane Product and Services

9.11.4 Shanghai Hyproof Technology Vanadium Redox Flow Battery Membrane Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.11.5 Shanghai Hyproof Technology Recent Developments/Updates

9.11.6 Shanghai Hyproof Technology Competitive Strengths & Weaknesses

10 INDUSTRY CHAIN ANALYSIS

10.1 Vanadium Redox Flow Battery Membrane Industry Chain

10.2 Vanadium Redox Flow Battery Membrane Upstream Analysis

10.2.1 Vanadium Redox Flow Battery Membrane Core Raw Materials

10.2.2 Main Manufacturers of Vanadium Redox Flow Battery Membrane Core Raw Materials

10.3 Midstream Analysis

10.4 Downstream Analysis

10.5 Vanadium Redox Flow Battery Membrane Production Mode

10.6 Vanadium Redox Flow Battery Membrane Procurement Model

10.7 Vanadium Redox Flow Battery Membrane Industry Sales Model and Sales Channels

10.7.1 Vanadium Redox Flow Battery Membrane Sales Model

10.7.2 Vanadium Redox Flow Battery Membrane Typical Distributors

11 RESEARCH FINDINGS AND CONCLUSION

12 APPENDIX

12.1 Methodology

12.2 Research Process and Data Source

12.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. World Vanadium Redox Flow Battery Membrane Production Value by Region (2021, 2025 and 2032) & (USD Million)

Table 2. World Vanadium Redox Flow Battery Membrane Production Value by Region (2021-2026) & (USD Million)

Table 3. World Vanadium Redox Flow Battery Membrane Production Value by Region (2027-2032) & (USD Million)

Table 4. World Vanadium Redox Flow Battery Membrane Production Value Market Share by Region (2021-2026)

Table 5. World Vanadium Redox Flow Battery Membrane Production Value Market Share by Region (2027-2032)

Table 6. World Vanadium Redox Flow Battery Membrane Production by Region (2021-2026) & (K Sqm)

Table 7. World Vanadium Redox Flow Battery Membrane Production by Region (2027-2032) & (K Sqm)

Table 8. World Vanadium Redox Flow Battery Membrane Production Market Share by Region (2021-2026)

Table 9. World Vanadium Redox Flow Battery Membrane Production Market Share by Region (2027-2032)

Table 10. World Vanadium Redox Flow Battery Membrane Average Price by Region (2021-2026) & (US\$/Sq m)

Table 11. World Vanadium Redox Flow Battery Membrane Average Price by Region (2027-2032) & (US\$/Sq m)

Table 12. Vanadium Redox Flow Battery Membrane Major Market Trends

Table 13. World Vanadium Redox Flow Battery Membrane Consumption Growth Rate Forecast by Region (2021 & 2025 & 2032) & (K Sqm)

Table 14. World Vanadium Redox Flow Battery Membrane Consumption by Region (2021-2026) & (K Sqm)

Table 15. World Vanadium Redox Flow Battery Membrane Consumption Forecast by Region (2027-2032) & (K Sqm)

Table 16. World Vanadium Redox Flow Battery Membrane Production Value by Manufacturer (2021-2026) & (USD Million)

Table 17. Production Value Market Share of Key Vanadium Redox Flow Battery Membrane Producers in 2025

Table 18. World Vanadium Redox Flow Battery Membrane Production by Manufacturer (2021-2026) & (K Sqm)

Table 19. Production Market Share of Key Vanadium Redox Flow Battery Membrane Producers in 2025

Table 20. World Vanadium Redox Flow Battery Membrane Average Price by Manufacturer (2021-2026) & (US\$/Sq m)

Table 21. Global Vanadium Redox Flow Battery Membrane Company Evaluation Quadrant

Table 22. World Vanadium Redox Flow Battery Membrane Industry Rank of Major Manufacturers, Based on Production Value in 2025

Table 23. Head Office and Vanadium Redox Flow Battery Membrane Production Site of Key Manufacturer

Table 24. Vanadium Redox Flow Battery Membrane Market: Company Product Type Footprint

Table 25. Vanadium Redox Flow Battery Membrane Market: Company Product Application Footprint

Table 26. Vanadium Redox Flow Battery Membrane Competitive Factors

Table 27. Vanadium Redox Flow Battery Membrane New Entrant and Capacity Expansion Plans

Table 28. Vanadium Redox Flow Battery Membrane Mergers & Acquisitions Activity

Table 29. United States VS China Vanadium Redox Flow Battery Membrane Production Value Comparison, (2021 & 2025 & 2032) & (USD Million)

Table 30. United States VS China Vanadium Redox Flow Battery Membrane Production Comparison, (2021 & 2025 & 2032) & (K Sqm)

Table 31. United States VS China Vanadium Redox Flow Battery Membrane Consumption Comparison, (2021 & 2025 & 2032) & (K Sqm)

Table 32. United States Based Vanadium Redox Flow Battery Membrane Manufacturers, Headquarters and Production Site (States, Country)

Table 33. United States Based Manufacturers Vanadium Redox Flow Battery Membrane Production Value, (2021-2026) & (USD Million)

Table 34. United States Based Manufacturers Vanadium Redox Flow Battery Membrane Production Value Market Share (2021-2026)

Table 35. United States Based Manufacturers Vanadium Redox Flow Battery Membrane Production (2021-2026) & (K Sqm)

Table 36. United States Based Manufacturers Vanadium Redox Flow Battery Membrane Production Market Share (2021-2026)

Table 37. China Based Vanadium Redox Flow Battery Membrane Manufacturers, Headquarters and Production Site (Province, Country)

Table 38. China Based Manufacturers Vanadium Redox Flow Battery Membrane Production Value, (2021-2026) & (USD Million)

Table 39. China Based Manufacturers Vanadium Redox Flow Battery Membrane

Production Value Market Share (2021-2026)

Table 40. China Based Manufacturers Vanadium Redox Flow Battery Membrane Production, (2021-2026) & (K Sqm)

Table 41. China Based Manufacturers Vanadium Redox Flow Battery Membrane Production Market Share (2021-2026)

Table 42. Rest of World Based Vanadium Redox Flow Battery Membrane Manufacturers, Headquarters and Production Site (State, Country)

Table 43. Rest of World Based Manufacturers Vanadium Redox Flow Battery Membrane Production Value, (2021-2026) & (USD Million)

Table 44. Rest of World Based Manufacturers Vanadium Redox Flow Battery Membrane Production Value Market Share (2021-2026)

Table 45. Rest of World Based Manufacturers Vanadium Redox Flow Battery Membrane Production, (2021-2026) & (K Sqm)

Table 46. Rest of World Based Manufacturers Vanadium Redox Flow Battery Membrane Production Market Share (2021-2026)

Table 47. World Vanadium Redox Flow Battery Membrane Production Value by Type, (USD Million), 2021 & 2025 & 2032

Table 48. World Vanadium Redox Flow Battery Membrane Production by Type (2021-2026) & (K Sqm)

Table 49. World Vanadium Redox Flow Battery Membrane Production by Type (2027-2032) & (K Sqm)

Table 50. World Vanadium Redox Flow Battery Membrane Production Value by Type (2021-2026) & (USD Million)

Table 51. World Vanadium Redox Flow Battery Membrane Production Value by Type (2027-2032) & (USD Million)

Table 52. World Vanadium Redox Flow Battery Membrane Average Price by Type (2021-2026) & (US\$/Sq m)

Table 53. World Vanadium Redox Flow Battery Membrane Average Price by Type (2027-2032) & (US\$/Sq m)

Table 54. World Vanadium Redox Flow Battery Membrane Production Value by Thickness, (USD Million), 2021 & 2025 & 2032

Table 55. World Vanadium Redox Flow Battery Membrane Production by Thickness (2021-2026) & (K Sqm)

Table 56. World Vanadium Redox Flow Battery Membrane Production by Thickness (2027-2032) & (K Sqm)

Table 57. World Vanadium Redox Flow Battery Membrane Production Value by Thickness (2021-2026) & (USD Million)

Table 58. World Vanadium Redox Flow Battery Membrane Production Value by Thickness (2027-2032) & (USD Million)

Table 59. World Vanadium Redox Flow Battery Membrane Average Price by Thickness (2021-2026) & (US\$/Sq m)

Table 60. World Vanadium Redox Flow Battery Membrane Average Price by Thickness (2027-2032) & (US\$/Sq m)

Table 61. World Vanadium Redox Flow Battery Membrane Production Value by Conductivity, (USD Million), 2021 & 2025 & 2032

Table 62. World Vanadium Redox Flow Battery Membrane Production by Conductivity (2021-2026) & (K Sqm)

Table 63. World Vanadium Redox Flow Battery Membrane Production by Conductivity (2027-2032) & (K Sqm)

Table 64. World Vanadium Redox Flow Battery Membrane Production Value by Conductivity (2021-2026) & (USD Million)

Table 65. World Vanadium Redox Flow Battery Membrane Production Value by Conductivity (2027-2032) & (USD Million)

Table 66. World Vanadium Redox Flow Battery Membrane Average Price by Conductivity (2021-2026) & (US\$/Sq m)

Table 67. World Vanadium Redox Flow Battery Membrane Average Price by Conductivity (2027-2032) & (US\$/Sq m)

Table 68. World Vanadium Redox Flow Battery Membrane Production Value by Application, (USD Million), 2021 & 2025 & 2032

Table 69. World Vanadium Redox Flow Battery Membrane Production by Application (2021-2026) & (K Sqm)

Table 70. World Vanadium Redox Flow Battery Membrane Production by Application (2027-2032) & (K Sqm)

Table 71. World Vanadium Redox Flow Battery Membrane Production Value by Application (2021-2026) & (USD Million)

Table 72. World Vanadium Redox Flow Battery Membrane Production Value by Application (2027-2032) & (USD Million)

Table 73. World Vanadium Redox Flow Battery Membrane Average Price by Application (2021-2026) & (US\$/Sq m)

Table 74. World Vanadium Redox Flow Battery Membrane Average Price by Application (2027-2032) & (US\$/Sq m)

Table 75. Chemours Basic Information, Manufacturing Base and Competitors

Table 76. Chemours Major Business

Table 77. Chemours Vanadium Redox Flow Battery Membrane Product and Services

Table 78. Chemours Vanadium Redox Flow Battery Membrane Production (K Sqm), Price (US\$/Sq m), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 79. Chemours Recent Developments/Updates

Table 80. Chemours Competitive Strengths & Weaknesses

Table 81. AGC Basic Information, Manufacturing Base and Competitors

Table 82. AGC Major Business

Table 83. AGC Vanadium Redox Flow Battery Membrane Product and Services

Table 84. AGC Vanadium Redox Flow Battery Membrane Production (K Sqm), Price (US\$/Sq m), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 85. AGC Recent Developments/Updates

Table 86. AGC Competitive Strengths & Weaknesses

Table 87. FuMa-Tech Basic Information, Manufacturing Base and Competitors

Table 88. FuMa-Tech Major Business

Table 89. FuMa-Tech Vanadium Redox Flow Battery Membrane Product and Services

Table 90. FuMa-Tech Vanadium Redox Flow Battery Membrane Production (K Sqm), Price (US\$/Sq m), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 91. FuMa-Tech Recent Developments/Updates

Table 92. FuMa-Tech Competitive Strengths & Weaknesses

Table 93. Suzhou Kerun New Materials Basic Information, Manufacturing Base and Competitors

Table 94. Suzhou Kerun New Materials Major Business

Table 95. Suzhou Kerun New Materials Vanadium Redox Flow Battery Membrane Product and Services

Table 96. Suzhou Kerun New Materials Vanadium Redox Flow Battery Membrane Production (K Sqm), Price (US\$/Sq m), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 97. Suzhou Kerun New Materials Recent Developments/Updates

Table 98. Suzhou Kerun New Materials Competitive Strengths & Weaknesses

Table 99. Shandong Dongyue Future Hydrogen Energy Materials Basic Information, Manufacturing Base and Competitors

Table 100. Shandong Dongyue Future Hydrogen Energy Materials Major Business

Table 101. Shandong Dongyue Future Hydrogen Energy Materials Vanadium Redox Flow Battery Membrane Product and Services

Table 102. Shandong Dongyue Future Hydrogen Energy Materials Vanadium Redox Flow Battery Membrane Production (K Sqm), Price (US\$/Sq m), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 103. Shandong Dongyue Future Hydrogen Energy Materials Recent Developments/Updates

Table 104. Shandong Dongyue Future Hydrogen Energy Materials Competitive Strengths & Weaknesses

Table 105. Shenzhen Zhonghe Energy Storage Technology Basic Information, Manufacturing Base and Competitors

Table 106. Shenzhen Zhonghe Energy Storage Technology Major Business

Table 107. Shenzhen Zhonghe Energy Storage Technology Vanadium Redox Flow Battery Membrane Product and Services

Table 108. Shenzhen Zhonghe Energy Storage Technology Vanadium Redox Flow Battery Membrane Production (K Sqm), Price (US\$/Sq m), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 109. Shenzhen Zhonghe Energy Storage Technology Recent Developments/Updates

Table 110. Shenzhen Zhonghe Energy Storage Technology Competitive Strengths & Weaknesses

Table 111. Ionomr Innovations Basic Information, Manufacturing Base and Competitors

Table 112. Ionomr Innovations Major Business

Table 113. Ionomr Innovations Vanadium Redox Flow Battery Membrane Product and Services

Table 114. Ionomr Innovations Vanadium Redox Flow Battery Membrane Production (K Sqm), Price (US\$/Sq m), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 115. Ionomr Innovations Recent Developments/Updates

Table 116. Ionomr Innovations Competitive Strengths & Weaknesses

Table 117. Amer-Sil Basic Information, Manufacturing Base and Competitors

Table 118. Amer-Sil Major Business

Table 119. Amer-Sil Vanadium Redox Flow Battery Membrane Product and Services

Table 120. Amer-Sil Vanadium Redox Flow Battery Membrane Production (K Sqm), Price (US\$/Sq m), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 121. Amer-Sil Recent Developments/Updates

Table 122. Amer-Sil Competitive Strengths & Weaknesses

Table 123. Guizhou Zhixi Technology Basic Information, Manufacturing Base and Competitors

Table 124. Guizhou Zhixi Technology Major Business

Table 125. Guizhou Zhixi Technology Vanadium Redox Flow Battery Membrane Product and Services

Table 126. Guizhou Zhixi Technology Vanadium Redox Flow Battery Membrane Production (K Sqm), Price (US\$/Sq m), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 127. Guizhou Zhixi Technology Recent Developments/Updates

Table 128. Guizhou Zhixi Technology Competitive Strengths & Weaknesses

Table 129. Shanxi Guorun Energy Storage Technology Basic Information, Manufacturing Base and Competitors

Table 130. Shanxi Guorun Energy Storage Technology Major Business

Table 131. Shanxi Guorun Energy Storage Technology Vanadium Redox Flow Battery Membrane Product and Services

Table 132. Shanxi Guorun Energy Storage Technology Vanadium Redox Flow Battery Membrane Production (K Sqm), Price (US\$/Sq m), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 133. Shanxi Guorun Energy Storage Technology Recent Developments/Updates

Table 134. Shanxi Guorun Energy Storage Technology Competitive Strengths & Weaknesses

Table 135. Shanghai Hyproof Technology Basic Information, Manufacturing Base and Competitors

Table 136. Shanghai Hyproof Technology Major Business

Table 137. Shanghai Hyproof Technology Vanadium Redox Flow Battery Membrane Product and Services

Table 138. Shanghai Hyproof Technology Vanadium Redox Flow Battery Membrane Production (K Sqm), Price (US\$/Sq m), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 139. Shanghai Hyproof Technology Recent Developments/Updates

Table 140. Shanghai Hyproof Technology Competitive Strengths & Weaknesses

Table 141. Global Key Players of Vanadium Redox Flow Battery Membrane Upstream (Raw Materials)

Table 142. Global Vanadium Redox Flow Battery Membrane Typical Customers

Table 143. Vanadium Redox Flow Battery Membrane Typical Distributors

List Of Figures

LIST OF FIGURES

Figure 1. Vanadium Redox Flow Battery Membrane Picture

Figure 2. World Vanadium Redox Flow Battery Membrane Production Value: 2021 & 2025 & 2032, (USD Million)

Figure 3. World Vanadium Redox Flow Battery Membrane Production Value and Forecast (2021-2032) & (USD Million)

Figure 4. World Vanadium Redox Flow Battery Membrane Production (2021-2032) & (K Sqm)

Figure 5. World Vanadium Redox Flow Battery Membrane Average Price (2021-2032) & (US\$/Sq m)

Figure 6. World Vanadium Redox Flow Battery Membrane Production Value Market Share by Region (2021-2032)

Figure 7. World Vanadium Redox Flow Battery Membrane Production Market Share by Region (2021-2032)

Figure 8. North America Vanadium Redox Flow Battery Membrane Production (2021-2032) & (K Sqm)

Figure 9. Europe Vanadium Redox Flow Battery Membrane Production (2021-2032) & (K Sqm)

Figure 10. China Vanadium Redox Flow Battery Membrane Production (2021-2032) & (K Sqm)

Figure 11. Japan Vanadium Redox Flow Battery Membrane Production (2021-2032) & (K Sqm)

Figure 12. Vanadium Redox Flow Battery Membrane Market Drivers

Figure 13. Factors Affecting Demand

Figure 14. World Vanadium Redox Flow Battery Membrane Consumption (2021-2032) & (K Sqm)

Figure 15. World Vanadium Redox Flow Battery Membrane Consumption Market Share by Region (2021-2032)

Figure 16. United States Vanadium Redox Flow Battery Membrane Consumption (2021-2032) & (K Sqm)

Figure 17. China Vanadium Redox Flow Battery Membrane Consumption (2021-2032) & (K Sqm)

Figure 18. Europe Vanadium Redox Flow Battery Membrane Consumption (2021-2032) & (K Sqm)

Figure 19. Japan Vanadium Redox Flow Battery Membrane Consumption (2021-2032) & (K Sqm)

Figure 20. South Korea Vanadium Redox Flow Battery Membrane Consumption (2021-2032) & (K Sqm)

Figure 21. ASEAN Vanadium Redox Flow Battery Membrane Consumption (2021-2032) & (K Sqm)

Figure 22. India Vanadium Redox Flow Battery Membrane Consumption (2021-2032) & (K Sqm)

Figure 23. Producer Shipments of Vanadium Redox Flow Battery Membrane by Manufacturer Revenue (\$MM) and Market Share (%): 2025

Figure 24. Global Four-firm Concentration Ratios (CR4) for Vanadium Redox Flow Battery Membrane Markets in 2025

Figure 25. Global Four-firm Concentration Ratios (CR8) for Vanadium Redox Flow Battery Membrane Markets in 2025

Figure 26. United States VS China: Vanadium Redox Flow Battery Membrane Production Value Market Share Comparison (2021 & 2025 & 2032)

Figure 27. United States VS China: Vanadium Redox Flow Battery Membrane Production Market Share Comparison (2021 & 2025 & 2032)

Figure 28. United States VS China: Vanadium Redox Flow Battery Membrane Consumption Market Share Comparison (2021 & 2025 & 2032)

Figure 29. United States Based Manufacturers Vanadium Redox Flow Battery Membrane Production Market Share 2025

Figure 30. China Based Manufacturers Vanadium Redox Flow Battery Membrane Production Market Share 2025

Figure 31. Rest of World Based Manufacturers Vanadium Redox Flow Battery Membrane Production Market Share 2025

Figure 32. World Vanadium Redox Flow Battery Membrane Production Value by Type, (USD Million), 2021 & 2025 & 2032

Figure 33. World Vanadium Redox Flow Battery Membrane Production Value Market Share by Type in 2025

Figure 34. Ion-exchange Membrane

Figure 35. Porous Membrane

Figure 36. World Vanadium Redox Flow Battery Membrane Production Market Share by Type (2021-2032)

Figure 37. World Vanadium Redox Flow Battery Membrane Production Value Market Share by Type (2021-2032)

Figure 38. World Vanadium Redox Flow Battery Membrane Average Price by Type (2021-2032) & (US\$/Sq m)

Figure 39. World Vanadium Redox Flow Battery Membrane Production Value by Thickness, (USD Million), 2021 & 2025 & 2032

Figure 40. World Vanadium Redox Flow Battery Membrane Production Value Market

Share by Thickness in 2025

Figure 41. Thickness 100?m

Figure 44. World Vanadium Redox Flow Battery Membrane Production Market Share by Thickness (2021-2032)

Figure 45. World Vanadium Redox Flow Battery Membrane Production Value Market Share by Thickness (2021-2032)

Figure 46. World Vanadium Redox Flow Battery Membrane Average Price by Thickness (2021-2032) & (US\$/Sq m)

Figure 47. World Vanadium Redox Flow Battery Membrane Production Value by Conductivity, (USD Million), 2021 & 2025 & 2032

Figure 48. World Vanadium Redox Flow Battery Membrane Production Value Market Share by Conductivity in 2025

Figure 49. Conductivity ?0.05S/cm

Figure 50. Conductivity >0.05S/cm

Figure 51. World Vanadium Redox Flow Battery Membrane Production Market Share by Conductivity (2021-2032)

Figure 52. World Vanadium Redox Flow Battery Membrane Production Value Market Share by Conductivity (2021-2032)

Figure 53. World Vanadium Redox Flow Battery Membrane Average Price by Conductivity (2021-2032) & (US\$/Sq m)

Figure 54. World Vanadium Redox Flow Battery Membrane Production Value by Application, (USD Million), 2021 & 2025 & 2032

Figure 55. World Vanadium Redox Flow Battery Membrane Production Value Market Share by Application in 2025

Figure 56. Vanadium Redox Flow Battery

Figure 57. Iron-based Flow Battery

Figure 58. Zinc-Bromine Flow Battery

Figure 59. Others

Figure 60. World Vanadium Redox Flow Battery Membrane Production Market Share by Application (2021-2032)

Figure 61. World Vanadium Redox Flow Battery Membrane Production Value Market Share by Application (2021-2032)

Figure 62. World Vanadium Redox Flow Battery Membrane Average Price by Application (2021-2032) & (US\$/Sq m)

Figure 63. Vanadium Redox Flow Battery Membrane Industry Chain

Figure 64. Vanadium Redox Flow Battery Membrane Procurement Model

Figure 65. Vanadium Redox Flow Battery Membrane Sales Model

Figure 66. Vanadium Redox Flow Battery Membrane Sales Channels, Direct Sales, and Distribution

Figure 67. Methodology

Figure 68. Research Process and Data Source

I would like to order

Product name: Global Vanadium Redox Flow Battery Membrane Supply, Demand and Key Producers, 2026-2032

Product link: <https://marketpublishers.com/r/GB85D7E564A9EN.html>

Price: US\$ 4,480.00 (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/GB85D7E564A9EN.html>