

# **Ion Exchange Membrane for All-Vanadium Redox Flow Battery Market Status and Trend Analysis 2017-2026 (COVID-19 Version)**

<https://marketpublishers.com/r/I98D1094C23EEN.html>

Date: November 2020

Pages: 90

Price: US\$ 2,800.00 (Single User License)

ID: I98D1094C23EEN

## **Abstracts**

### **SUMMARY**

Further key aspects of the report indicate that:

Chapter 1: Research Scope: Product Definition, Type, End-Use & Methodology

Chapter 2: Global Industry Summary

Chapter 3: Market Dynamics

Chapter 4: Global Market Segmentation by region, type and End-Use

Chapter 5: North America Market Segmentation by region, type and End-Use

Chapter 6: Europe Market Segmentation by region, type and End-Use

Chapter 7: Asia-Pacific Market Segmentation by region, type and End-Use

Chapter 8: South America Market Segmentation by region, type and End-Use

Chapter 9: Middle East and Africa Market Segmentation by region, type and End-Use.

Chapter 10: Market Competition by Companies

Chapter 11: Market forecast and environment forecast.

Chapter 12: Industry Summary.

The global Ion Exchange Membrane for All-Vanadium Redox Flow Battery market has the potential to grow with xx million USD with growing CAGR in the forecast period from 2021f to 2026f. Factors driving the market for @@@@ are the significant development of demand and improvement of COVID-19 and geo-economics.

Based on the type of product, the global Ion Exchange Membrane for All-Vanadium Redox Flow Battery market segmented into

Renewable Power Supply

Non-fluorination Ion Exchange Membrane

Others

Based on the end-use, the global Ion Exchange Membrane for All-Vanadium Redox Flow Battery market classified into

Renewable Power Supply

Industrial Grid (Excluding Renewable Power) Adjustment and Management

Based on geography, the global Ion Exchange Membrane for All-Vanadium Redox Flow Battery market segmented into

North America [U.S., Canada, Mexico]

Europe [Germany, UK, France, Italy, Rest of Europe]

Asia-Pacific [China, India, Japan, South Korea, Southeast Asia, Australia, Rest of Asia Pacific]

South America [Brazil, Argentina, Rest of Latin America]

Middle East & Africa [GCC, North Africa, South Africa, Rest of Middle East and Africa]

And the major players included in the report are

FuMa-Tech

Chemours (DuPont)

Golden Energy Fuel Cell

Dalian Institute of Chemical Physics

## Contents

### 1 RESEARCH SCOPE

- 1.1 Research Product Definition
- 1.2 Research Segmentation
  - 1.2.1 Product Type
  - 1.2.2 Main product Type of Major Players
- 1.3 Demand Overview
- 1.4 Research Methodology

### 2 GLOBAL ION EXCHANGE MEMBRANE FOR ALL-VANADIUM REDOX FLOW BATTERY INDUSTRY

- 2.1 Summary about Ion Exchange Membrane for All-Vanadium Redox Flow Battery Industry
- 2.2 Ion Exchange Membrane for All-Vanadium Redox Flow Battery Market Trends
  - 2.2.1 Ion Exchange Membrane for All-Vanadium Redox Flow Battery Production & Consumption Trends
  - 2.2.2 Ion Exchange Membrane for All-Vanadium Redox Flow Battery Demand Structure Trends
- 2.3 Ion Exchange Membrane for All-Vanadium Redox Flow Battery Cost & Price

### 3 MARKET DYNAMICS

- 3.1 Manufacturing & Purchasing Behavior in 2020
- 3.2 Market Development under the Impact of COVID-19
  - 3.2.1 Drivers
  - 3.2.2 Restraints
  - 3.2.3 Opportunity
  - 3.2.4 Risk

### 4 GLOBAL MARKET SEGMENTATION

- 4.1 Region Segmentation (2017 to 2021f)
  - 4.1.1 North America (U.S., Canada and Mexico)
  - 4.1.2 Europe (Germany, UK, France, Italy, Rest of Europe)
  - 4.1.3 Asia-Pacific (China, India, Japan, South Korea, Southeast Asia, Australia, Rest of Asia Pacific)

- 4.1.4 South America (Brazil,, Argentina, Rest of Latin America)
- 4.1.5 Middle East and Africa (GCC, North Africa, South Africa, Rest of Middle East and Africa)
- 4.2 Product Type Segmentation (2017 to 2021f)
  - 4.2.1 Full-fluorinion Ion Exchange Membrane
  - 4.2.2 Non-fluorinion Ion Exchange Membrane
  - 4.2.3 Others
- 4.3 Consumption Segmentation (2017 to 2021f)
  - 4.3.1 Renewable Power Supply
  - 4.3.2 Industrial Grid (Excluding Renewable Power) Adjustment and Management

## **5 NORTH AMERICA MARKET SEGMENT**

- 5.1 Region Segmentation (2017 to 2021f)
  - 5.1.1 U.S.
  - 5.1.2 Canada
  - 5.1.3 Mexico
- 5.2 Product Type Segmentation (2017 to 2021f)
  - 5.2.1 Full-fluorinion Ion Exchange Membrane
  - 5.2.2 Non-fluorinion Ion Exchange Membrane
  - 5.2.3 Others
- 5.3 Consumption Segmentation (2017 to 2021f)
  - 5.3.1 Renewable Power Supply
  - 5.3.2 Industrial Grid (Excluding Renewable Power) Adjustment and Management
- 5.4 Impact of COVID-19 in North America

## **6 EUROPE MARKET SEGMENTATION**

- 6.1 Region Segmentation (2017 to 2021f)
  - 6.1.1 Germany
  - 6.1.2 UK
  - 6.1.3 France
  - 6.1.4 Italy
  - 6.1.5 Rest of Europe
- 6.2 Product Type Segmentation (2017 to 2021f)
  - 6.2.1 Full-fluorinion Ion Exchange Membrane
  - 6.2.2 Non-fluorinion Ion Exchange Membrane
  - 6.2.3 Others
- 6.3 Consumption Segmentation (2017 to 2021f)

- 6.3.1 Renewable Power Supply
- 6.3.2 Industrial Grid (Excluding Renewable Power) Adjustment and Management
- 6.4 Impact of COVID-19 in Europe

## **7 ASIA-PACIFIC MARKET SEGMENTATION**

- 7.1 Region Segmentation (2017 to 2021f)
  - 7.1.1 China
  - 7.1.2 India
  - 7.1.3 Japan
  - 7.1.4 South Korea
  - 7.1.5 Southeast Asia
  - 7.1.6 Australia
  - 7.1.7 Rest of Asia Pacific
- 7.2 Product Type Segmentation (2017 to 2021f)
  - 7.2.1 Full-fluorination Ion Exchange Membrane
  - 7.2.2 Non-fluorination Ion Exchange Membrane
  - 7.2.3 Others
- 7.3 Consumption Segmentation (2017 to 2021f)
  - 7.3.1 Renewable Power Supply
  - 7.3.2 Industrial Grid (Excluding Renewable Power) Adjustment and Management
- 7.4 Impact of COVID-19 in Europe

## **8 SOUTH AMERICA MARKET SEGMENTATION**

- 8.1 Region Segmentation (2017 to 2021f)
  - 8.1.1 Brazil
  - 8.1.2 Argentina
  - 8.1.3 Rest of Latin America
- 8.2 Product Type Segmentation (2017 to 2021f)
  - 8.2.1 Full-fluorination Ion Exchange Membrane
  - 8.2.2 Non-fluorination Ion Exchange Membrane
  - 8.2.3 Others
- 8.3 Consumption Segmentation (2017 to 2021f)
  - 8.3.1 Renewable Power Supply
  - 8.3.2 Industrial Grid (Excluding Renewable Power) Adjustment and Management
- 8.4 Impact of COVID-19 in Europe

## **9 MIDDLE EAST AND AFRICA MARKET SEGMENTATION**

## 9.1 Region Segmentation (2017 to 2021f)

### 9.1.1 GCC

### 9.1.2 North Africa

### 9.1.3 South Africa

### 9.1.4 Rest of Middle East and Africa

## 9.2 Product Type Segmentation (2017 to 2021f)

### 9.2.1 Full-fluorination Ion Exchange Membrane

### 9.2.2 Non-fluorination Ion Exchange Membrane

### 9.2.3 Others

## 9.3 Consumption Segmentation (2017 to 2021f)

### 9.3.1 Renewable Power Supply

### 9.3.2 Industrial Grid (Excluding Renewable Power) Adjustment and Management

## 9.4 Impact of COVID-19 in Europe

## **10 COMPETITION OF MAJOR PLAYERS**

### 10.1 Brief Introduction of Major Players

#### 10.1.1 FuMa-Tech

#### 10.1.2 Chemours (DuPont)

#### 10.1.3 Golden Energy Fuel Cell

#### 10.1.4 Dalian Institute of Chemical Physics

### 10.2 Ion Exchange Membrane for All-Vanadium Redox Flow Battery Sales Date of Major Players (2017-2020e)

#### 10.2.1 FuMa-Tech

#### 10.2.2 Chemours (DuPont)

#### 10.2.3 Golden Energy Fuel Cell

#### 10.2.4 Dalian Institute of Chemical Physics

### 10.3 Market Distribution of Major Players

### 10.4 Global Competition Segmentation

## **11 MARKET FORECAST**

### 11.1 Forecast by Region

### 11.2 Forecast by Demand

### 11.3 Environment Forecast

#### 11.3.1 Impact of COVID-19

#### 11.3.2 Geopolitics Overview

#### 11.3.3 Economic Overview of Major Countries

## 12 REPORT SUMMARY STATEMENT



## List Of Tables

### LIST OF TABLES

1. Table Ion Exchange Membrane for All-Vanadium Redox Flow Battery Product Type Overview
2. Table Ion Exchange Membrane for All-Vanadium Redox Flow Battery Product Type Market Share List
3. Table Ion Exchange Membrane for All-Vanadium Redox Flow Battery Product Type of Major Players
4. Table Brief Introduction of FuMa-Tech
5. Table Brief Introduction of Chemours (DuPont)
6. Table Brief Introduction of Golden Energy Fuel Cell
7. Table Brief Introduction of Dalian Institute of Chemical Physics
8. Table Products & Services of FuMa-Tech
9. Table Products & Services of Chemours (DuPont)
10. Table Products & Services of Golden Energy Fuel Cell
11. Table Products & Services of Dalian Institute of Chemical Physics
12. Table Market Distribution of Major Players
13. Table Global Major Players Sales Revenue (Million USD) 2017-2020e
14. Table Global Major Players Sales Revenue (Million USD) Share 2017-2020e
15. Table Global Ion Exchange Membrane for All-Vanadium Redox Flow Battery Market Forecast (Million USD) by Region 2021f-2026f
16. Table Global Ion Exchange Membrane for All-Vanadium Redox Flow Battery Market Forecast (Million USD) Share by Region 2021f-2026f
17. Table Global Ion Exchange Membrane for All-Vanadium Redox Flow Battery Market Forecast (Million USD) by Demand 2021f-2026f
18. Table Global Ion Exchange Membrane for All-Vanadium Redox Flow Battery Market Forecast (Million USD) Share by Demand 2021f-2026f

## List Of Figures

### LIST OF FIGURES

1. Figure Global Ion Exchange Membrane for All-Vanadium Redox Flow Battery Market Size under the Impact of COVID-19, 2017-2021f (USD Million)
2. Figure Global Ion Exchange Membrane for All-Vanadium Redox Flow Battery Market by Region under the Impact of COVID-19, 2017-2021f (USD Million)
3. Figure Global Ion Exchange Membrane for All-Vanadium Redox Flow Battery Market by Product Type under the Impact of COVID-19, 2017-2021f (USD Million)
4. Figure Global Ion Exchange Membrane for All-Vanadium Redox Flow Battery Market by Demand under the Impact of COVID-19, 2017-2021f (USD Million)
5. Figure Global Ion Exchange Membrane for All-Vanadium Redox Flow Battery Production by Region under the Impact of COVID-19, 2021-2026 (USD Million)
6. Figure Global Ion Exchange Membrane for All-Vanadium Redox Flow Battery Consumption by Region under the Impact of COVID-19, 2021-2026 (USD Million)
7. Figure Global Ion Exchange Membrane for All-Vanadium Redox Flow Battery Consumption by Type under the Impact of COVID-19, 2021-2026 (USD Million)
8. Figure North America Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f
9. Figure Europe Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f
10. Figure Asia-Pacific Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f
11. Figure South America Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f
12. Figure Middle East and Africa Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f
13. Figure Full-fluorinion Ion Exchange Membrane Segmentation Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f
14. Figure Non-fluorinion Ion Exchange Membrane Segmentation Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f
15. Figure Others Segmentation Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f
16. Figure Renewable Power Supply Segmentation Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f
17. Figure Industrial Grid (Excluding Renewable Power) Adjustment and Management Segmentation Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f
18. Figure U.S. Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth

(%) 2018-2021f

19. Figure Canada Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f

20. Figure Mexico Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f

21. Figure Full-fluorinion Ion Exchange Membrane Segmentation Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f

22. Figure Non-fluorinion Ion Exchange Membrane Segmentation Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f

23. Figure Others Segmentation Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f

24. Figure Renewable Power Supply Segmentation Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f

25. Figure Industrial Grid (Excluding Renewable Power) Adjustment and Management Segmentation Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f

26. Figure Germany Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f

27. Figure UK Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f

28. Figure France Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f

29. Figure Italy Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f

30. Figure Rest of Europe Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f

31. Figure Full-fluorinion Ion Exchange Membrane Segmentation Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f

32. Figure Non-fluorinion Ion Exchange Membrane Segmentation Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f

33. Figure Others Segmentation Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f

34. Figure Renewable Power Supply Segmentation Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f

35. Figure Industrial Grid (Excluding Renewable Power) Adjustment and Management Segmentation Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f

36. Figure China Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f

37. Figure India Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f
38. Figure Japan Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f
39. Figure South Korea Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f
40. Figure Southeast Asia Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f
41. Figure Australia Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f
42. Figure Rest of Asia Pacific Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f
43. Figure Full-fluorination Ion Exchange Membrane Segmentation Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f
44. Figure Non-fluorination Ion Exchange Membrane Segmentation Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f
45. Figure Others Segmentation Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f
46. Figure Renewable Power Supply Segmentation Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f
47. Figure Industrial Grid (Excluding Renewable Power) Adjustment and Management Segmentation Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f
48. Figure Brazil Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f
49. Figure Argentina Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f
50. Figure Rest of Latin America Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f
51. Figure Full-fluorination Ion Exchange Membrane Segmentation Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f
52. Figure Non-fluorination Ion Exchange Membrane Segmentation Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f
53. Figure Others Segmentation Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f
54. Figure Renewable Power Supply Segmentation Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f
55. Figure Industrial Grid (Excluding Renewable Power) Adjustment and Management Segmentation Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth

(%) 2018-2021f

56. Figure GCC Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f

57. Figure North Africa Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f

58. Figure South Africa Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f

59. Figure Rest of Middle East and Africa Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f

60. Figure Full-fluorination Ion Exchange Membrane Segmentation Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f

61. Figure Non-fluorination Ion Exchange Membrane Segmentation Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f

62. Figure Others Segmentation Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f

63. Figure Renewable Power Supply Segmentation Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f

64. Figure Industrial Grid (Excluding Renewable Power) Adjustment and Management Segmentation Market Size (USD Million) 2017-2021f and Year-over-year (YOY) Growth (%) 2018-2021f

65. Figure Ion Exchange Membrane for All-Vanadium Redox Flow Battery Sales Revenue (Million USD) of FuMa-Tech 2017-2020e

66. Figure Ion Exchange Membrane for All-Vanadium Redox Flow Battery Sales Revenue (Million USD) of Chemours (DuPont) 2017-2020e

67. Figure Ion Exchange Membrane

## I would like to order

Product name: Ion Exchange Membrane for All-Vanadium Redox Flow Battery Market Status and Trend Analysis 2017-2026 (COVID-19 Version)

Product link: <https://marketpublishers.com/r/I98D1094C23EEN.html>

Price: US\$ 2,800.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/I98D1094C23EEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:  
Last name:  
Email:  
Company:  
Address:  
City:  
Zip code:  
Country:  
Tel:  
Fax:  
Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970

