

# Global Ion Exchange Membrane of All-Vanadium Redox Flow Battery Market Analysis 2016-2020 and Forecast 2021-2026

<https://marketpublishers.com/r/G4461D6B8FDEN.html>

Date: April 2021

Pages: 88

Price: US\$ 2,980.00 (Single User License)

ID: G4461D6B8FDEN

## Abstracts

### Snapshot

The global Ion Exchange Membrane of All-Vanadium Redox Flow Battery market size is estimated at xxx million USD with a CAGR xx% from 2016-2020 and is expected to reach xxx Million USD in 2021 with a CAGR xx% from 2021 to 2026. The report begins from overview of Industry Chain structure, and describes industry environment, then analyses market size and forecast of Ion Exchange Membrane of All-Vanadium Redox Flow Battery by product, region and application, in addition, this report introduces market competition situation among the vendors and company profile, besides, market price analysis and value chain features are covered in this report.

Product Type Coverage (Market Size & Forecast, Major Company of Product Type etc.):

Full-fluorinion Ion Exchange Membrane

Non-fluorinion Ion Exchange Membrane

Others

Company Coverage (Company Profile, Sales Revenue, Price, Gross Margin, Main Products etc.):

Chemours (DuPont)

FuMa-Tech

Golden Energy Fuel Cell

Dalian Institute of Chemical Physics

Application Coverage (Market Size & Forecast, Different Demand Market by Region, Main Consumer Profile etc.):

Renewable Power Supply

Industrial Grid (Excluding Renewable Power) Adjustment and Management

Region Coverage (Regional Production, Demand & Forecast by Countries etc.):

North America (U.S., Canada, Mexico)

Europe (Germany, U.K., France, Italy, Russia, Spain etc.)

Asia-Pacific (China, India, Japan, Southeast Asia etc.)

South America (Brazil, Argentina etc.)

Middle East & Africa (Saudi Arabia, South Africa etc.)

## Contents

### 1 INDUSTRY OVERVIEW

#### 1.1 Ion Exchange Membrane of All-Vanadium Redox Flow Battery Industry

Figure Ion Exchange Membrane of All-Vanadium Redox Flow Battery Industry Chain Structure

##### 1.1.1 Overview

##### 1.1.2 Development of Ion Exchange Membrane of All-Vanadium Redox Flow Battery

#### 1.2 Market Segment

##### 1.2.1 Upstream

Table Upstream Segment of Ion Exchange Membrane of All-Vanadium Redox Flow Battery

##### 1.2.2 Downstream

Table Application Segment of Ion Exchange Membrane of All-Vanadium Redox Flow Battery

Table Global Ion Exchange Membrane of All-Vanadium Redox Flow Battery Market 2016-2026, by Application, in USD Million

##### 1.2.3 COVID-19 Impact

#### 1.3 Cost Analysis

### 2 INDUSTRY ENVIRONMENT (PEST ANALYSIS)

#### 2.1 Policy

#### 2.2 Economics

#### 2.3 Sociology

#### 2.4 Technology

### 3 ION EXCHANGE MEMBRANE OF ALL-VANADIUM REDOX FLOW BATTERY MARKET BY TYPE

#### 3.1 By Type

##### 3.1.1 Full-fluorinion Ion Exchange Membrane

Table Major Company List of Full-fluorinion Ion Exchange Membrane

##### 3.1.2 Non-fluorinion Ion Exchange Membrane

Table Major Company List of Non-fluorinion Ion Exchange Membrane

##### 3.1.3 Others

Table Major Company List of Others

#### 3.2 Market Size

Table Global Ion Exchange Membrane of All-Vanadium Redox Flow Battery Market 2016-2020, by Type, in USD Million

Figure Global Ion Exchange Membrane of All-Vanadium Redox Flow Battery Market Growth 2016-2020, by Type, in USD Million

Table Global Ion Exchange Membrane of All-Vanadium Redox Flow Battery Market 2016-2020, by Type, in Volume

Figure Global Ion Exchange Membrane of All-Vanadium Redox Flow Battery Market Growth 2016-2020, by Type, in Volume

### 3.3 Market Forecast

Table Global Ion Exchange Membrane of All-Vanadium Redox Flow Battery Market Forecast 2021-2026, by Type, in USD Million

Table Global Ion Exchange Membrane of All-Vanadium Redox Flow Battery Market Forecast 2021-2026, by Type, in Volume

## 4 MAJOR COMPANIES LIST

4.1 Chemours (DuPont) (Company Profile, Sales Data etc.)

4.1.1 Chemours (DuPont) Profile

Table Chemours (DuPont) Overview List

4.1.2 Chemours (DuPont) Products & Services

4.1.3 Chemours (DuPont) Business Operation Conditions

Table Business Operation of Chemours (DuPont) (Sales Revenue, Sales Volume, Price, Cost, Gross Margin)

4.2 FuMa-Tech (Company Profile, Sales Data etc.)

4.2.1 FuMa-Tech Profile

Table FuMa-Tech Overview List

4.2.2 FuMa-Tech Products & Services

4.2.3 FuMa-Tech Business Operation Conditions

Table Business Operation of FuMa-Tech (Sales Revenue, Sales Volume, Price, Cost, Gross Margin)

4.3 Golden Energy Fuel Cell (Company Profile, Sales Data etc.)

4.3.1 Golden Energy Fuel Cell Profile

Table Golden Energy Fuel Cell Overview List

4.3.2 Golden Energy Fuel Cell Products & Services

4.3.3 Golden Energy Fuel Cell Business Operation Conditions

Table Business Operation of Golden Energy Fuel Cell (Sales Revenue, Sales Volume, Price, Cost, Gross Margin)

4.4 Dalian Institute of Chemical Physics (Company Profile, Sales Data etc.)

4.4.1 Dalian Institute of Chemical Physics Profile

Table Dalian Institute of Chemical Physics Overview List

4.4.2 Dalian Institute of Chemical Physics Products & Services

4.4.3 Dalian Institute of Chemical Physics Business Operation Conditions

Table Business Operation of Dalian Institute of Chemical Physics (Sales Revenue, Sales Volume, Price, Cost, Gross Margin)

## **5 MARKET COMPETITION**

### 5.1 Company Competition

Table Global Ion Exchange Membrane of All-Vanadium Redox Flow Battery Sales Revenue 2016-2020, by Company, in USD Million

Table Global Ion Exchange Membrane of All-Vanadium Redox Flow Battery Sales Revenue Share 2016-2020, by Company, in USD Million

Figure Global Ion Exchange Membrane of All-Vanadium Redox Flow Battery Sales Revenue Share in 2020, by Company, in USD Million

Table Global Ion Exchange Membrane of All-Vanadium Redox Flow Battery Sales Volume 2016-2020, by Company, in Volume

Table Global Ion Exchange Membrane of All-Vanadium Redox Flow Battery Sales Volume Share 2016-2020, by Company, in Volume

Figure Global Ion Exchange Membrane of All-Vanadium Redox Flow Battery Sales Volume Share in 2020, by Company, in Volume

### 5.2 Regional Market by Company

Figure North America Ion Exchange Membrane of All-Vanadium Redox Flow Battery Market Concentration, in 2020

Figure Europe Ion Exchange Membrane of All-Vanadium Redox Flow Battery Market Market Concentration, in 2020

Figure Asia-Pacific Ion Exchange Membrane of All-Vanadium Redox Flow Battery Market Market Concentration, in 2020

Figure South America Ion Exchange Membrane of All-Vanadium Redox Flow Battery Market Concentration, in 2020

Figure Middle East & Africa Ion Exchange Membrane of All-Vanadium Redox Flow Battery Market Concentration, in 2020

## **6 DEMAND BY END MARKET**

### 6.1 Demand Situation

6.1.1 Demand in Renewable Power Supply

Figure Ion Exchange Membrane of All-Vanadium Redox Flow Battery Demand in Renewable Power Supply, 2016-2020, in USD Million

Figure Ion Exchange Membrane of All-Vanadium Redox Flow Battery Demand in Renewable Power Supply, 2016-2020, in Volume

6.1.2 Demand in Industrial Grid (Excluding Renewable Power) Adjustment and Management

Figure Ion Exchange Membrane of All-Vanadium Redox Flow Battery Demand in Industrial Grid (Excluding Renewable Power) Adjustment and Management, 2016-2020, in USD Million

Figure Ion Exchange Membrane of All-Vanadium Redox Flow Battery Demand in Industrial Grid (Excluding Renewable Power) Adjustment and Management, 2016-2020, in Volume

6.2 Regional Demand Comparison

Table Regional Demand Comparison List

Table Major Application in Different Regions

6.3 Demand Forecast

Table Ion Exchange Membrane of All-Vanadium Redox Flow Battery Demand Forecast 2021-2026, by Application, in USD Million

Figure Ion Exchange Membrane of All-Vanadium Redox Flow Battery Market Growth 2021-2026, by Application, in USD Million

Figure Ion Exchange Membrane of All-Vanadium Redox Flow Battery Market Share in 2026, by Application, in USD Million

Table Ion Exchange Membrane of All-Vanadium Redox Flow Battery Demand Forecast 2021-2026, by Application, in Volume

Table Ion Exchange Membrane of All-Vanadium Redox Flow Battery Market Growth 2021-2026, by Application, in Volume

Table Ion Exchange Membrane of All-Vanadium Redox Flow Battery Market Share in 2026, by Application, in Volume

6.4 Impact of the COVID-19 on the Demand

## **7 REGION OPERATION**

7.1 Regional Production

Table Ion Exchange Membrane of All-Vanadium Redox Flow Battery Production 2016-2020, by Region, in USD Million

Table Ion Exchange Membrane of All-Vanadium Redox Flow Battery Production 2016-2020, by Region, in Volume

7.2 Regional Market

Table Global Ion Exchange Membrane of All-Vanadium Redox Flow Battery Market 2016-2020, by Region, in USD Million

Table Global Ion Exchange Membrane of All-Vanadium Redox Flow Battery Market

Share 2016-2020, by Region, in USD Million

Table Global Ion Exchange Membrane of All-Vanadium Redox Flow Battery Market 2016-2020, by Region, in Volume

Table Global Ion Exchange Membrane of All-Vanadium Redox Flow Battery Market Share 2016-2020, by Region, in Volume

7.3 by Region

7.3.1 North America

7.3.1.1 Overview

Figure North America Ion Exchange Membrane of All-Vanadium Redox Flow Battery Market Size and Growth 2016-2020, in USD Million

Figure North America Ion Exchange Membrane of All-Vanadium Redox Flow Battery Market Size and Growth 2016-2020, in Volume

7.3.1.2 by Country (U.S., Canada, Mexico)

Table North America Ion Exchange Membrane of All-Vanadium Redox Flow Battery Market Size 2016-2020, by Country, in USD Million

Table North America Ion Exchange Membrane of All-Vanadium Redox Flow Battery Market Size 2016-2020, by Country, in Volume

7.3.2 Europe

7.3.2.1 Overview

Figure Europe Ion Exchange Membrane of All-Vanadium Redox Flow Battery Market Size and Growth 2016-2020, in USD Million

Figure Europe Ion Exchange Membrane of All-Vanadium Redox Flow Battery Market Size and Growth 2016-2020, in Volume

7.3.2.2 by Country (Germany, U.K., France, Italy, Russia, Spain etc.)

Table Europe Ion Exchange Membrane of All-Vanadium Redox Flow Battery Market Size 2016-2020, by Country, in USD Million

Table Europe Ion Exchange Membrane of All-Vanadium Redox Flow Battery Market Size 2016-2020, by Country, in Volume

7.3.3 Asia-Pacific

7.3.3.1 Overview

Figure Asia-Pacific Ion Exchange Membrane of All-Vanadium Redox Flow Battery Market Size and Growth 2016-2020, in USD Million

Figure Asia-Pacific Ion Exchange Membrane of All-Vanadium Redox Flow Battery Market Size and Growth 2016-2020, in Volume

7.3.3.2 by Country (China, India, Japan, Southeast Asia etc.)

Table Asia-Pacific Ion Exchange Membrane of All-Vanadium Redox Flow Battery Market Size 2016-2020, by Country, in USD Million

Table Asia-Pacific Ion Exchange Membrane of All-Vanadium Redox Flow Battery Market Size 2016-2020, by Country, in Volume

#### 7.3.4 South America

##### 7.3.4.1 Overview

Figure South America Ion Exchange Membrane of All-Vanadium Redox Flow Battery Market Size and Growth 2016-2020, in USD Million

Figure South America Ion Exchange Membrane of All-Vanadium Redox Flow Battery Market Size and Growth 2016-2020, in Volume

##### 7.3.4.2 by Country (Brazil, Argentina etc.)

Table South America Ion Exchange Membrane of All-Vanadium Redox Flow Battery Market Size 2016-2020, by Country, in USD Million

Table South America Ion Exchange Membrane of All-Vanadium Redox Flow Battery Market Size 2016-2020, by Country, in Volume

#### 7.3.5 Middle East & Africa

##### 7.3.5.1 Overview

Figure Middle East & Africa Ion Exchange Membrane of All-Vanadium Redox Flow Battery Market Size and Growth 2016-2020, in USD Million

Figure Middle East & Africa Ion Exchange Membrane of All-Vanadium Redox Flow Battery Market Size and Growth 2016-2020, in Volume

##### 7.3.5.2 by Country (Saudi Arabia, South Africa etc.)

Table Middle East & Africa Ion Exchange Membrane of All-Vanadium Redox Flow Battery Market Size 2016-2020, by Country, in USD Million

Table Middle East & Africa Ion Exchange Membrane of All-Vanadium Redox Flow Battery Market Size 2016-2020, by Country, in Volume

#### 7.4 Regional Import & Export

#### 7.5 Regional Forecast

Table Ion Exchange Membrane of All-Vanadium Redox Flow Battery Market Forecast 2021-2026, by Region, in USD Million

Table Ion Exchange Membrane of All-Vanadium Redox Flow Battery Market Forecast 2021-2026, by Region, in Volume

## 8 MARKETING & PRICE

### 8.1 Price and Margin

#### 8.1.1 Price Trends

#### 8.1.2 Factors of Price Change

Table Price Factors List

#### 8.1.3 Manufacturers Gross Margin Analysis

### 8.2 Marketing Channel

Figure Marketing Channels Overview



## 9 RESEARCH CONCLUSION

## List Of Tables

### LIST OF TABLES

1. Table Upstream Segment of Ion Exchange Membrane of All-Vanadium Redox Flow Battery
2. Table Application Segment of Ion Exchange Membrane of All-Vanadium Redox Flow Battery
3. Table Global Ion Exchange Membrane of All-Vanadium Redox Flow Battery Market 2016-2026, by Application, in USD Million
4. Table Major Company List of Non-fluorinion Ion Exchange Membrane
5. Table Major Company List of Others
6. Table Global Ion Exchange Membrane of All-Vanadium Redox Flow Battery Market 2016-2020, by Type, in USD Million
7. Table Global Ion Exchange Membrane of All-Vanadium Redox Flow Battery Market 2016-2020, by Type, in Volume
8. Table Global Ion Exchange Membrane of All-Vanadium Redox Flow Battery Market Forecast 2021-2026, by Type, in USD Million
9. Table Global Ion Exchange Membrane of All-Vanadium Redox Flow Battery Market Forecast 2021-2026, by Type, in Volume
10. Table Chemours (DuPont) Overview List
11. Table Business Operation of Chemours (DuPont) (Sales Revenue, Sales Volume, Price, Cost, Gross Margin)
12. Table FuMa-Tech Overview List
13. Table Business Operation of FuMa-Tech (Sales Revenue, Sales Volume, Price, Cost, Gross Margin)
14. Table Golden Energy Fuel Cell Overview List
15. Table Business Operation of Golden Energy Fuel Cell (Sales Revenue, Sales Volume, Price, Cost, Gross Margin)
16. Table Dalian Institute of Chemical Physics Overview List
17. Table Business Operation of Dalian Institute of Chemical Physics (Sales Revenue, Sales Volume, Price, Cost, Gross Margin)
18. Table Global Ion Exchange Membrane of All-Vanadium Redox Flow Battery Sales Revenue 2016-2020, by Company, in USD Million
19. Table Global Ion Exchange Membrane of All-Vanadium Redox Flow Battery Sales Revenue Share 2016-2020, by Company, in USD Million
20. Table Global Ion Exchange Membrane of All-Vanadium Redox Flow Battery Sales Volume 2016-2020, by Company, in Volume
21. Table Global Ion Exchange Membrane of All-Vanadium Redox Flow Battery Sales Volume Share 2016-2020, by Company, in Volume

22. Table Regional Demand Comparison List
23. Table Major Application in Different Regions
24. Table Ion Exchange Membrane of All-Vanadium Redox Flow Battery Demand Forecast 2021-2026, by Application, in USD Million
25. Table Ion Exchange Membrane of All-Vanadium Redox Flow Battery Demand Forecast 2021-2026, by Application, in Volume
26. Table Ion Exchange Membrane of All-Vanadium Redox Flow Battery Market Growth 2021-2026, by Application, in Volume
27. Table Ion Exchange Membrane of All-Vanadium Redox Flow Battery Market Share in 2026, by Application, in Volume
28. Table Ion Exchange Membrane of All-Vanadium Redox Flow Battery Production 2016-2020, by Region, in USD Million
29. Table Ion Exchange Membrane of All-Vanadium Redox Flow Battery Production 2016-2020, by Region, in Volume
30. Table Global Ion Exchange Membrane of All-Vanadium Redox Flow Battery Market 2016-2020, by Region, in USD Million
31. Table Global Ion Exchange Membrane of All-Vanadium Redox Flow Battery Market Share 2016-2020, by Region, in USD Million
32. Table Global Ion Exchange Membrane of All-Vanadium Redox Flow Battery Market 2016-2020, by Region, in Volume
33. Table Global Ion Exchange Membrane of All-Vanadium Redox Flow Battery Market Share 2016-2020, by Region, in Volume
34. Table North America Ion Exchange Membrane of All-Vanadium Redox Flow Battery Market Size 2016-2020, by Country, in USD Million
35. Table North America Ion Exchange Membrane of All-Vanadium Redox Flow Battery Market Size 2016-2020, by Country, in Volume
36. Table Europe Ion Exchange Membrane of All-Vanadium Redox Flow Battery Market Size 2016-2020, by Country, in USD Million
37. Table Europe Ion Exchange Membrane of All-Vanadium Redox Flow Battery Market Size 2016-2020, by Country, in Volume
38. Table Asia-Pacific Ion Exchange Membrane of All-Vanadium Redox Flow Battery Market Size 2016-2020, by Country, in USD Million
39. Table Asia-Pacific Ion Exchange Membrane of All-Vanadium Redox Flow Battery Market Size 2016-2020, by Country, in Volume
40. Table South America Ion Exchange Membrane of All-Vanadium Redox Flow Battery Market Size 2016-2020, by Country, in USD Million
41. Table South America Ion Exchange Membrane of All-Vanadium Redox Flow Battery Market Size 2016-2020, by Country, in Volume
42. Table Middle East & Africa Ion Exchange Membrane of All-Vanadium Redox Flow

Battery Market Size 2016-2020, by Country, in USD Million

43. Table Middle East & Africa Ion Exchange Membrane of All-Vanadium Redox Flow Battery Market Size 2016-2020, by Country, in Volume

44. Table Ion Exchange Membrane of All-Vanadium Redox Flow Battery Market Forecast 2021-2026, by Region, in USD Million

45. Table Ion Exchange Membrane of All-Vanadium Redox Flow Battery Market Forecast 2021-2026, by Region, in Volume

46. Table Price Factors List

## List Of Figures

### LIST OF FIGURES

1. Figure Ion Exchange Membrane of All-Vanadium Redox Flow Battery Industry Chain Structure
2. Figure Global Ion Exchange Membrane of All-Vanadium Redox Flow Battery Market Growth 2016-2020, by Type, in USD Million
3. Figure Global Ion Exchange Membrane of All-Vanadium Redox Flow Battery Market Growth 2016-2020, by Type, in Volume
4. Figure Global Ion Exchange Membrane of All-Vanadium Redox Flow Battery Sales Revenue Share in 2020, by Company, in USD Million
5. Figure Global Ion Exchange Membrane of All-Vanadium Redox Flow Battery Sales Volume Share in 2020, by Company, in Volume
6. Figure North America Ion Exchange Membrane of All-Vanadium Redox Flow Battery Market Concentration, in 2020
7. Figure Europe Ion Exchange Membrane of All-Vanadium Redox Flow Battery Market Market Concentration, in 2020
8. Figure Asia-Pacific Ion Exchange Membrane of All-Vanadium Redox Flow Battery Market Concentration, in 2020
9. Figure South America Ion Exchange Membrane of All-Vanadium Redox Flow Battery Market Concentration, in 2020
10. Figure Middle East & Africa Ion Exchange Membrane of All-Vanadium Redox Flow Battery Market Concentration, in 2020
11. Figure Ion Exchange Membrane of All-Vanadium Redox Flow Battery Demand in Renewable Power Supply, 2016-2020, in USD Million
12. Figure Ion Exchange Membrane of All-Vanadium Redox Flow Battery Demand in Renewable Power Supply, 2016-2020, in Volume
13. Figure Ion Exchange Membrane of All-Vanadium Redox Flow Battery Demand in Industrial Grid (Excluding Renewable Power) Adjustment and Management, 2016-2020, in USD Million
14. Figure Ion Exchange Membrane of All-Vanadium Redox Flow Battery Demand in Industrial Grid (Excluding Renewable Power) Adjustment and Management, 2016-2020, in Volume
15. Figure Ion Exchange Membrane of All-Vanadium Redox Flow Battery Market Growth 2021-2026, by Application, in USD Million
16. Figure Ion Exchange Membrane of All-Vanadium Redox Flow Battery Market Share in 2026, by Application, in USD Million
17. Figure North America Ion Exchange Membrane of All-Vanadium Redox Flow Battery Market Size and Growth 2016-2020, in USD Million

18. Figure North America Ion Exchange Membrane of All-Vanadium Redox Flow Battery Market Size and Growth 2016-2020, in Volume
19. Figure Europe Ion Exchange Membrane of All-Vanadium Redox Flow Battery Market Size and Growth 2016-2020, in USD Million
20. Figure Europe Ion Exchange Membrane of All-Vanadium Redox Flow Battery Market Size and Growth 2016-2020, in Volume
21. Figure Asia-Pacific Ion Exchange Membrane of All-Vanadium Redox Flow Battery Market Size and Growth 2016-2020, in USD Million
22. Figure Asia-Pacific Ion Exchange Membrane of All-Vanadium Redox Flow Battery Market Size and Growth 2016-2020, in Volume
23. Figure South America Ion Exchange Membrane of All-Vanadium Redox Flow Battery Market Size and Growth 2016-2020, in USD Million
24. Figure South America Ion Exchange Membrane of All-Vanadium Redox Flow Battery Market Size and Growth 2016-2020, in Volume
25. Figure Middle East & Africa Ion Exchange Membrane of All-Vanadium Redox Flow Battery Market Size and Growth 2016-2020, in USD Million
26. Figure Middle East & Africa Ion Exchange Membrane of All-Vanadium Redox Flow Battery Market Size and Growth 2016-2020, in Volume
27. Figure Marketing Channels Overview

## I would like to order

Product name: Global Ion Exchange Membrane of All-Vanadium Redox Flow Battery Market Analysis 2016-2020 and Forecast 2021-2026

Product link: <https://marketpublishers.com/r/G4461D6B8FDEN.html>

Price: US\$ 2,980.00 (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/G4461D6B8FDEN.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

