

# Global Ion Exchange Membrane of All-Vanadium Redox Flow Battery Market Research 2011- 2022

https://marketpublishers.com/r/GBFCEB9D017EN.html

Date: June 2017

Pages: 70

Price: US\$ 1,800.00 (Single User License)

ID: GBFCEB9D017EN

## **Abstracts**

#### Summary

Commercial ion-exchange membranes should have high proton conductivity, good selectivity, and especially low cost. At present, ion-exchange membrane prices are still too high. This affects the installed capacity of vanadium redox flow battery.

The Global Ion Exchange Membrane of All-Vanadium Redox Flow Battery market is estimated to reach xxx Million USD in 2017. In the report, HeyReport says Renewable Power Supply dominates the largest Application share in 2017. The objective of report is to define, segment, and project the market on the basis of type, application, and region, and to describe the content about the factors influencing market dynamics, policy, economic, technology and market entry etc.

Based on products type, the report describes major products type share of regional market. Products mentioned as follows:

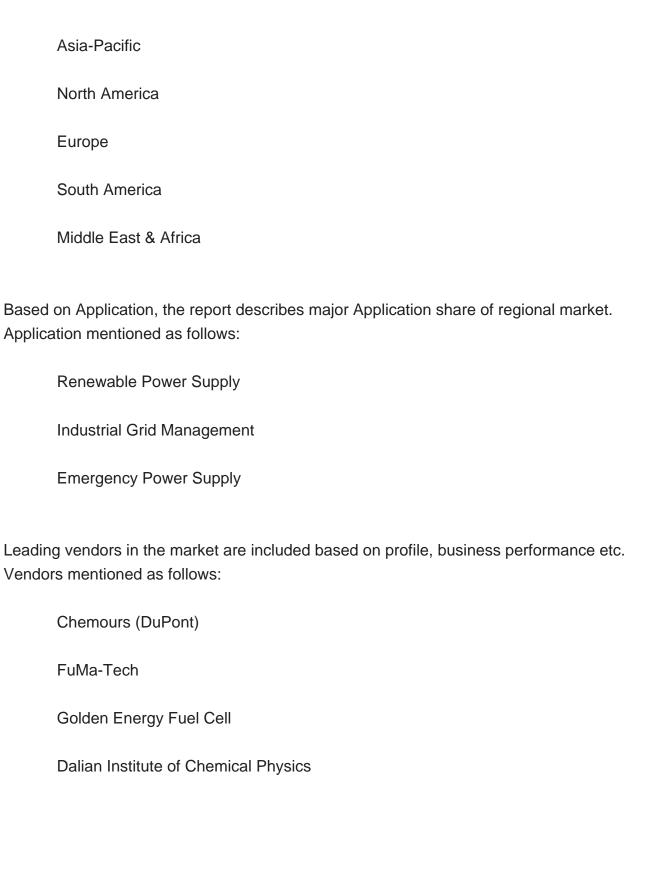
By Type

Non-fluorinion Ion Exchange Membrane

Full-fluorinion Ion Exchange Membrane

Based on region, the report describes major regions market by products and application. Regions mentioned as follows:







## **Contents**

#### 1 MARKET OVERVIEW

- 1.1 Objectives of Research
  - 1.1.1 Definition
  - 1.1.2 Specifications
- 1.2 Market Segment
  - 1.2.1 by Type
    - 1.2.1.1 Non-fluorinion Ion Exchange Membrane
    - 1.2.1.2 Full-fluorinion Ion Exchange Membrane
  - 1.2.2 by Application
    - 1.2.2.1 Renewable Power Supply
    - 1.2.2.2 Industrial Grid Management
    - 1.2.2.3 Emergency Power Supply
  - 1.2.3 by Regions

#### **2 INDUSTRY CHAIN**

- 2.1 Industry Chain Structure
- 2.2 Upstream
- 2.3 Market
  - 2.3.1 SWOT
  - 2.3.2 Dynamics

#### **3 ENVIRONMENTAL ANALYSIS**

- 3.1 Policy
- 3.2 Economic
- 3.3 Technology
- 3.4 Market Entry

#### **4 MARKET SEGMENTATION BY TYPE**

- 4.1 Market Size
  - 4.1.1 Global Non-fluorinion Ion Exchange Membrane Market, 2011-2016
  - 4.1.2 Global Full-fluorinion Ion Exchange Membrane Market, 2011-2016
- 4.2 Market Forecast
  - 4.2.1 Global Non-fluorinion Ion Exchange Membrane Market Forecast, 2017-2022



## 4.2.2 Global Full-fluorinion Ion Exchange Membrane Market Forecast, 2017-2022

#### **5 MARKET SEGMENTATION BY APPLICATION**

- 5.1 Market Size
- 5.1.1 Ion Exchange Membrane of All-Vanadium Redox Flow Battery in Renewable Power Supply Market, 2011-2016
- 5.1.2 Ion Exchange Membrane of All-Vanadium Redox Flow Battery in Industrial Grid Management Market, 2011-2016
- 5.1.3 Ion Exchange Membrane of All-Vanadium Redox Flow Battery in Emergency Power Supply Market, 2011-2016
- 5.2 Market Forecast
- 5.2.1 Ion Exchange Membrane of All-Vanadium Redox Flow Battery in Renewable Power Supply Market Forecast, 2017-2022
- 5.2.2 Ion Exchange Membrane of All-Vanadium Redox Flow Battery in Industrial Grid Management Market Forecast, 2017-2022
- 5.2.3 Ion Exchange Membrane of All-Vanadium Redox Flow Battery in Emergency Power Supply Market Forecast, 2017-2022

#### **6 MARKET SEGMENTATION BY REGION**

- 6.1 Market Size
  - 6.1.1 Asia-Pacific
- 6.1.1.1 Asia-Pacific Ion Exchange Membrane of All-Vanadium Redox Flow Battery Market, 2011-2016
- 6.1.1.2 Asia-Pacific Ion Exchange Membrane of All-Vanadium Redox Flow Battery Market by Type
- 6.1.1.3 Asia-Pacific Ion Exchange Membrane of All-Vanadium Redox Flow Battery Market by Application
  - 6.1.2 North America
- 6.1.2.1 North America Ion Exchange Membrane of All-Vanadium Redox Flow Battery Market, 2011-2016
- 6.1.2.2 North America Ion Exchange Membrane of All-Vanadium Redox Flow Battery Market by Type
- 6.1.2.3 North America Ion Exchange Membrane of All-Vanadium Redox Flow Battery Market by Application
  - 6.1.3 Europe
- 6.1.3.1 Europe Ion Exchange Membrane of All-Vanadium Redox Flow Battery Market, 2011-2016



- 6.1.3.2 Europe Ion Exchange Membrane of All-Vanadium Redox Flow Battery Market by Type
- 6.1.3.3 Europe Ion Exchange Membrane of All-Vanadium Redox Flow Battery Market by Application
  - 6.1.4 South America
- 6.1.4.1 South America Ion Exchange Membrane of All-Vanadium Redox Flow Battery Market, 2011-2016
- 6.1.4.2 South America Ion Exchange Membrane of All-Vanadium Redox Flow Battery Market by Type
- 6.1.4.3 South America Ion Exchange Membrane of All-Vanadium Redox Flow Battery Market by Application
  - 6.1.5 Middle East & Africa
- 6.1.5.1 Middle East & Africa Ion Exchange Membrane of All-Vanadium Redox Flow Battery Market, 2011-2016
- 6.1.5.2 Middle East & Africa Ion Exchange Membrane of All-Vanadium Redox Flow Battery Market by Type
- 6.1.5.3 Middle East & Africa Ion Exchange Membrane of All-Vanadium Redox Flow Battery Market by Application
- 6.2 Market Forecast
  - 6.2.1 Asia-Pacific Market Forecast, 2017-2022
  - 6.2.2 North America Market Forecast, 2017-2022
  - 6.2.3 Europe Market Forecast, 2017-2022
  - 6.2.4 South America Market Forecast, 2017-2022
- 6.2.5 Middle East & Africa Market Forecast, 2017-2022

#### **7 MARKET COMPETITIVE**

- 7.1 Global Ion Exchange Membrane of All-Vanadium Redox Flow Battery Market by Vendors
- 7.2 Market Concentration
- 7.3 Price & Factors
- 7.4 Marketing Channel

#### **8 MAJOR VENDORS**

- 4.1 Chemours (DuPont)
  - 4.1.1 Profile
  - 4.1.2 Business Performance
- 4.2 FuMa-Tech



- 4.2.1 Profile
- 4.2.2 Business Performance
- 4.3 Golden Energy Fuel Cell
  - 4.3.1 Profile
  - 4.3.2 Business Performance
- 4.4 Dalian Institute of Chemical Physics
  - 4.4.1 Profile
  - 4.4.2 Business Performance

# 9 CONCLUSION



## **List Of Tables**

### **LIST OF TABLES**

# TABLE PRODUCT SPECIFICATIONS OF ION EXCHANGE MEMBRANE OF ALL-VANADIUM REDOX FLOW BATTERY

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

Table Non-fluorinion Ion Exchange Membrane Overview

Table Full-fluorinion Ion Exchange Membrane Overview

Table Global Ion Exchange Membrane of All-Vanadium Redox Flow Battery Market by Type, 2011-2022 (USD Million)

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

Table Renewable Power Supply Overview

Table Industrial Grid Management Overview

Table Emergency Power Supply Overview

Table Global Ion Exchange Membrane of All-Vanadium Redox Flow Battery Market by Application, 2011-2022 (USD Million)

Table Global Ion Exchange Membrane of All-Vanadium Redox Flow Battery Market by Region, 2011-2022 (USD Million)

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

Table Policy of Ion Exchange Membrane of All-Vanadium Redox Flow Battery

Table Ion Exchange Membrane of All-Vanadium Redox Flow Battery Market of Global by Vendors, 2011-2016 (USD Million)

Table Ion Exchange Membrane of All-Vanadium Redox Flow Battery Market of Global by Vendors, 2011-2016 (Sqm)

Table Price Factors List

Table Chemours (DuPont) Profile List

Table Ion Exchange Membrane of All-Vanadium Redox Flow Battery Operating Data of Chemours (DuPont)

Table FuMa-Tech Profile List

Table Ion Exchange Membrane of All-Vanadium Redox Flow Battery Operating Data of FuMa-Tech

Table Golden Energy Fuel Cell Profile List

Table Ion Exchange Membrane of All-Vanadium Redox Flow Battery Operating Data of Golden Energy Fuel Cell



Table Dalian Institute of Chemical Physics Profile List

Table Ion Exchange Membrane of All-Vanadium Redox Flow Battery Operating Data of

Dalian Institute of Chemical Physics



# **List Of Figures**

#### **LIST OF FIGURES**

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

Figure SWOT of Ion Exchange Membrane of All-Vanadium Redox Flow Battery Figure GDP of Major Countries

Figure Non-fluorinion Ion Exchange Membrane Market Size and Growth, 2011-2016 (USD Million)

Figure Non-fluorinion Ion Exchange Membrane Market Size and Growth, 2011-2016 (Sqm)

Figure Full-fluorinion Ion Exchange Membrane Market Size and Growth, 2011-2016 (USD Million)

Figure Full-fluorinion Ion Exchange Membrane Market Size and Growth, 2011-2016 (Sqm)

Figure Non-fluorinion Ion Exchange Membrane Market Estimates and Forecasts, 2017-2022 (USD Million)

Figure Non-fluorinion Ion Exchange Membrane Market Estimates and Forecasts, 2017-2022 (Sqm)

Figure Full-fluorinion Ion Exchange Membrane Market Estimates and Forecasts, 2017-2022 (USD Million)

Figure Full-fluorinion Ion Exchange Membrane Market Estimates and Forecasts, 2017-2022 (Sqm)

Figure Renewable Power Supply Market Size and Growth, 2011-2016 (USD Million)

Figure Renewable Power Supply Market Size and Growth, 2011-2016 (Sqm)

Figure Industrial Grid Management Market Size and Growth, 2011-2016 (USD Million)

Figure Industrial Grid Management Market Size and Growth, 2011-2016 (Sqm)

Figure Emergency Power Supply Market Size and Growth, 2011-2016 (USD Million)

Figure Emergency Power Supply Market Size and Growth, 2011-2016 (Sqm)

Figure Renewable Power Supply Market Estimates and Forecasts, 2017-2022 (USD Million)

Figure Renewable Power Supply Market Estimates and Forecasts, 2017-2022 (Sqm) Figure Industrial Grid Management Market Estimates and Forecasts, 2017-2022 (USD Million)

Figure Industrial Grid Management Market Estimates and Forecasts, 2017-2022 (Sqm) Figure Emergency Power Supply Market Estimates and Forecasts, 2017-2022 (USD Million)



Figure Emergency Power Supply Market Estimates and Forecasts, 2017-2022 (Sqm)

Figure Asia-Pacific Market Size and Growth, 2011-2016 (USD Million)

Figure Asia-Pacific Market Size and Growth, 2011-2016 (Sqm)

Figure Asia-Pacific Market Size by Type, 2016 (USD Million)

Figure Asia-Pacific Market Share by Type, 2016 (USD Million)

Figure Asia-Pacific Market Size by Application, 2016 (USD Million)

Figure Asia-Pacific Market Share by Application, 2016 (USD Million)

Figure North America Market Size and Growth, 2011-2016 (USD Million)

Figure North America Market Size and Growth, 2011-2016 (Sqm)

Figure North America Market Size by Type, 2016 (USD Million)

Figure North America Market Share by Type, 2016 (USD Million)

Figure North America Market Size by Application, 2016 (USD Million)

Figure North America Market Share by Application, 2016 (USD Million)

Figure Europe Market Size and Growth, 2011-2016 (USD Million)

Figure Europe Market Size and Growth, 2011-2016 (Sqm)

Figure Europe Market Size by Type, 2016 (USD Million)

Figure Europe Market Share by Type, 2016 (USD Million)

Figure Europe Market Size by Application, 2016 (USD Million)

Figure Europe Market Share by Application, 2016 (USD Million)

Figure South America Market Size and Growth, 2011-2016 (USD Million)

Figure South America Market Size and Growth, 2011-2016 (Sgm)

Figure South America Market Size by Type, 2016 (USD Million)

Figure South America Market Share by Type, 2016 (USD Million)

Figure South America Market Size by Application, 2016 (USD Million)

Figure South America Market Share by Application, 2016 (USD Million)

Figure Middle East & Africa Market Size and Growth, 2011-2016 (USD Million)

Figure Middle East & Africa Market Size and Growth, 2011-2016 (Sqm)

Figure Middle East & Africa Market Size by Type, 2016 (USD Million)

Figure Middle East & Africa Market Share by Type, 2016 (USD Million)

Figure Middle East & Africa Market Size by Application, 2016 (USD Million)

Figure Middle East & Africa Market Share by Application, 2016 (USD Million)

Figure Asia-Pacific Market Estimates and Forecasts, 2017-2022 (USD Million)

Figure Asia-Pacific Market Estimates and Forecasts, 2017-2022 (Sgm)

Figure North America Market Estimates and Forecasts, 2017-2022 (USD Million)

Figure North America Market Estimates and Forecasts, 2017-2022 (Sqm)

Figure Europe Market Estimates and Forecasts, 2017-2022 (USD Million)

Figure Europe Market Estimates and Forecasts, 2017-2022 (Sgm)

Figure South America Market Estimates and Forecasts, 2017-2022 (USD Million)

Figure South America Market Estimates and Forecasts, 2017-2022 (Sqm)



Figure Middle East & Africa Market Estimates and Forecasts, 2017-2022 (USD Million)

Figure Middle East & Africa Market Estimates and Forecasts, 2017-2022 (Sqm)

Figure Ion Exchange Membrane of All-Vanadium Redox Flow Battery Market Share of Global by Vendors, 2016 (USD Million)

Figure Ion Exchange Membrane of All-Vanadium Redox Flow Battery Market Share of Global by Vendors, 2016 (Sqm)

Figure Ion Exchange Membrane of All-Vanadium Redox Flow Battery Market Concentration

Figure Marketing Channels Overview



#### I would like to order

Product name: Global Ion Exchange Membrane of All-Vanadium Redox Flow Battery Market Research

2011-2022

Product link: <a href="https://marketpublishers.com/r/GBFCEB9D017EN.html">https://marketpublishers.com/r/GBFCEB9D017EN.html</a>

Price: US\$ 1,800.00 (Single User License / Electronic Delivery)

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

Service:

info@marketpublishers.com

# **Payment**

First name:

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <a href="https://marketpublishers.com/r/GBFCEB9D017EN.html">https://marketpublishers.com/r/GBFCEB9D017EN.html</a>

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

Last name:	
Email:	
Company:	
Address:	
City:	
Zip code:	
Country:	
Tel:	
Fax:	
Your message:	
	**All fields are required
	Custumer signature

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

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



