

North America Ion Exchange Membrane of All-Vanadium Redox Flow Battery Market by Manufacturers, Countries, Type and Application, Forecast to 2022

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Abstracts

The vanadium redox battery (VRB) (or Vanadium flow battery) is a type of rechargeable flow battery that employs vanadium ions in different oxidation states to store chemical potential energy. The vanadium redox battery exploits the ability of vanadium to exist in solution in four different oxidation states, and uses this property to make a battery that has just one electroactive element instead of two.

Scope of the Report:

This report focuses on the Ion Exchange Membrane of All-Vanadium Redox Flow Battery in North America market, especially in United States, Canada and Mexico. This report categorizes the market based on manufacturers, countries, type and application.

Market Segment by Manufacturers, this report covers

Chemours (DuPont)

FuMa-Tech

Golden Energy Fuel Cell

Dalian Institute of Chemical Physics

Market Segment by Countries, covering

United States

Canada

Mexico

Market Segment by Type, covers

Full-fluorination Ion Exchange Membrane

Non-fluorination Ion Exchange Membrane

Others

Market Segment by Applications, can be divided into

Renewable Power Supply

Industrial Grid (Excluding Renewable Power) Adjustment and Management

There are 15 Chapters to deeply display the North America Ion Exchange Membrane of All-Vanadium Redox Flow Battery market.

Chapter 1, to describe Ion Exchange Membrane of All-Vanadium Redox Flow Battery Introduction, product type and application, market overview, market analysis by countries, market opportunities, market risk, market driving force;

Chapter 2, to analyze the manufacturers of Ion Exchange Membrane of All-Vanadium Redox Flow Battery, with profile, main business, news, sales, price, revenue and market share in 2016 and 2017;

Chapter 3, to display the competitive situation among the top manufacturers, with profile, main business, news, sales, price, revenue and market share in 2016 and 2017;

Chapter 4, to show the North America market by countries, covering United States, Canada and Mexico, with sales, revenue and market share of Ion Exchange Membrane of All-Vanadium Redox Flow Battery, for each country, from 2012 to 2017;

Chapter 5 and 6, to show the market by type and application, with sales, price, revenue, market share and growth rate by type, application, from 2012 to 2017;

Chapter 7, 8 and 9, to analyze the segment market in United States, Canada and Mexico, by manufacturers, type and application, with sales, price, revenue and market share by manufacturers, types and applications;

Chapter 10, Ion Exchange Membrane of All-Vanadium Redox Flow Battery market forecast, by countries, type and application, with sales, price and revenue, from 2017 to 2022;

Chapter 11, to analyze the manufacturing cost, key raw materials and manufacturing process etc.

Chapter 12, to analyze the industrial chain, sourcing strategy and downstream end users (buyers);

Chapter 13, to describe sales channel, distributors, traders, dealers etc.

Chapter 14 and 15, to describe Ion Exchange Membrane of All-Vanadium Redox Flow Battery Research Findings and Conclusion, Appendix, methodology and data source

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