

Vanadium Redox Flow Battery (VRFB) Market Research: Global Status & Forecast by Geography, Type & Application (2015-2025)

https://marketpublishers.com/r/VF5C454B713EN.html

Date: May 2019

Pages: 53

Price: US\$ 2,280.00 (Single User License)

ID: VF5C454B713EN

Abstracts

According to 99Strategy, the Global Vanadium Redox Flow Battery (VRFB) Market is estimated to reach xxx million USD in 2019 and projected to grow at the CAGR of xx% during the 2020-2025. The report analyses the global Vanadium Redox Flow Battery (VRFB) market, the market size and growth, as well as the major market participants.

The analysis includes market size, upstream situation, market segmentation, market segmentation, price & cost and industry environment. In addition, the report outlines the factors driving industry growth and the description of market channels. The report begins from overview of industrial chain structure, and describes the upstream. Besides, the report analyses market size and forecast in different geographies, type and end-use segment, in addition, the report introduces market competition overview among the major companies and companies profiles, besides, market price and channel features are covered in the report.

Key Regions

Asia Pacific

North America

Europe

South America

Middle East & Africa



Key Companies

Chemours (DuPont)	
FuMa-Tech	
Golden Energy Fuel Cell	
Dalian Institute of Chemical Physics	
Sumitomo Electric Industries	
RedT	
UniEnergy Technologies	
Gildemeister	
Vionxenergy	
Big Pawer	
Golden Energy Fuel Cell	
H2, Inc.	
Rongke Power	
Key Product Type	
Full-fluorinion Ion Exchange Membrane	
Non-fluorinion Ion Exchange Membrane	
Others	



Market by Application

Renewable Power Supply

Industrial Grid (Excluding Renewable Power) Adjustment and Management

Main Aspects covered in the Report

Overview of the Vanadium Redox Flow Battery (VRFB) market including production, consumption, status & forecast and market growth

2015-2018 historical data and 2019-2025 market forecast

Geographical analysis including major countries

Overview the product type market including development

Overview the end-user market including development



Contents

1 INDUSTRIAL CHAIN OVERVIEW

- 1.1 Vanadium Redox Flow Battery (VRFB) Industry
 - 1.1.1 Overview
- 1.1.2 Characteristics of Vanadium Redox Flow Battery (VRFB)
- 1.2 Upstream
 - 1.2.1 Major Materials
 - 1.2.2 Manufacturing Overview
- 1.3 Product List By Type
 - 1.3.1 Full-fluorinion Ion Exchange Membrane
 - 1.3.2 Non-fluorinion Ion Exchange Membrane
 - 1.3.3 Others
- 1.4 End-Use List
 - 1.4.1 Demand in Renewable Power Supply
- 1.4.2 Demand in Industrial Grid (Excluding Renewable Power) Adjustment and Management
- 1.5 Global Market Overview
 - 1.5.1 Global Market Size and Forecast, 2015-2025
 - 1.5.2 Global Market Size and Forecast by Geography with CAGR, 2015-2025
 - 1.5.3 Global Market Size and Forecast by Product Type with CAGR, 2015-2025
 - 1.5.4 Global Market Size and Forecast by End-Use with CAGR, 2015-2025

2 GLOBAL PRODUCTION & CONSUMPTION BY GEOGRAPHY

- 2.1 Global Production & Consumption
 - 2.1.1 Global Production
 - 2.1.2 Global Consumption
- 2.2 Geographic Production & Consumption
 - 2.2.1 Production
 - 2.2.1.1 Asia-Pacific
 - 2.2.1.2 North America
 - 2.2.1.3 South America
 - 2.2.1.4 Europe
 - 2.2.1.5 Middle East & Africa
 - 2.2.2 Consumption
 - 2.2.2.1 Asia-Pacific
 - 2.2.2.2 North America



- 2.2.2.3 South America
- 2.2.2.4 Europe
- 2.2.2.5 Middle East & Africa

3 MAJOR MANUFACTURERS INTRODUCTION

- 3.1 Manufacturers Overview
- 3.2 Manufacturers List
 - 3.2.1 Chemours (DuPont) Overview
 - 3.2.1.1 Product Specifications
 - 3.2.1.2 Business Data (Production Volume (Volume), Production Amount (Million
- USD), Price, Cost, Margin)
 - 3.2.1.3 Recent Developments
 - 3.2.1.4 Future Strategic Planning
 - 3.2.2 FuMa-Tech Overview
 - 3.2.2.1 Product Specifications
 - 3.2.2.2 Business Data (Production Volume (Volume), Production Amount (Million
- USD), Price, Cost, Margin)
 - 3.2.2.3 Recent Developments
 - 3.2.2.4 Future Strategic Planning
 - 3.2.3 Golden Energy Fuel Cell Overview
 - 3.2.3.1 Product Specifications
 - 3.2.3.2 Business Data (Production Volume (Volume), Production Amount (Million
- USD), Price, Cost, Margin)
 - 3.2.3.3 Recent Developments
 - 3.2.3.4 Future Strategic Planning
 - 3.2.4 Dalian Institute of Chemical Physics Overview
 - 3.2.4.1 Product Specifications
 - 3.2.4.2 Business Data (Production Volume (Volume), Production Amount (Million
- USD), Price, Cost, Margin)
 - 3.2.4.3 Recent Developments
 - 3.2.4.4 Future Strategic Planning
 - 3.2.5 Sumitomo Electric Industries Overview
 - 3.2.5.1 Product Specifications
 - 3.2.5.2 Business Data (Production Volume (Volume), Production Amount (Million
- USD), Price, Cost, Margin)
 - 3.2.5.3 Recent Developments
 - 3.2.5.4 Future Strategic Planning
 - 3.2.6 RedT Overview



- 3.2.6.1 Product Specifications
- 3.2.6.2 Business Data (Production Volume (Volume), Production Amount (Million
- USD), Price, Cost, Margin)
 - 3.2.6.3 Recent Developments
 - 3.2.6.4 Future Strategic Planning
 - 3.2.7 UniEnergy Technologies Overview
 - 3.2.7.1 Product Specifications
 - 3.2.7.2 Business Data (Production Volume (Volume), Production Amount (Million
- USD), Price, Cost, Margin)
 - 3.2.7.3 Recent Developments
 - 3.2.7.4 Future Strategic Planning
 - 3.2.8 Gildemeister Overview
 - 3.2.8.1 Product Specifications
 - 3.2.8.2 Business Data (Production Volume (Volume), Production Amount (Million
- USD), Price, Cost, Margin)
 - 3.2.8.3 Recent Developments
 - 3.2.8.4 Future Strategic Planning
 - 3.2.9 Vionxenergy Overview
 - 3.2.9.1 Product Specifications
 - 3.2.9.2 Business Data (Production Volume (Volume), Production Amount (Million
- USD), Price, Cost, Margin)
 - 3.2.9.3 Recent Developments
 - 3.2.9.4 Future Strategic Planning
 - 3.2.10 Big Pawer Overview
 - 3.2.10.1 Product Specifications
 - 3.2.10.2 Business Data (Production Volume (Volume), Production Amount (Million
- USD), Price, Cost, Margin)
 - 3.2.10.3 Recent Developments
 - 3.2.10.4 Future Strategic Planning
 - 3.2.11 Golden Energy Fuel Cell Overview
 - 3.2.11.1 Product Specifications
 - 3.2.11.2 Business Data (Production Volume (Volume), Production Amount (Million
- USD), Price, Cost, Margin)
 - 3.2.11.3 Recent Developments
 - 3.2.11.4 Future Strategic Planning
 - 3.2.12 H2, Inc. Overview
 - 3.2.12.1 Product Specifications
 - 3.2.12.2 Business Data (Production Volume (Volume), Production Amount (Million
- USD), Price, Cost, Margin)



- 3.2.12.3 Recent Developments
- 3.2.12.4 Future Strategic Planning
- 3.2.13 Rongke Power Overview
- 3.2.13.1 Product Specifications
- 3.2.13.2 Business Data (Production Volume (Volume), Production Amount (Million
- USD), Price, Cost, Margin)
 - 3.2.13.3 Recent Developments
 - 3.2.13.4 Future Strategic Planning

4 MARKET COMPETITION PATTERN

- 4.1 Market Size and Sketch
- 4.2 Company Market Share
 - 4.2.1 Global Production by Major Manufacturers
 - 4.2.2 Market Concentration Analysis
- 4.3 Market News and Trend
 - 4.3.1 Merger & Acquisition
 - 4.3.2 New Product Launch

5 PRODUCT TYPE SEGMENT

- 5.1 Global Overview by Product Type Segment
- 5.2 Segment Subdivision by Product Type
 - 5.2.1 Market in Full-fluorinion Ion Exchange Membrane
 - 5.2.1.1 Market Size
 - 5.2.1.2 Situation & Development
 - 5.2.2 Market in Non-fluorinion Ion Exchange Membrane
 - 5.2.2.1 Market Size
 - 5.2.2.2 Situation & Development
 - 5.2.3 Market in Others
 - 5.2.3.1 Market Size
 - 5.2.3.2 Situation & Development

6 END-USE SEGMENT

- 6.1 Global Overview by End-Use Segment
- 6.2 Segment Subdivision
 - 6.2.1 Market in Renewable Power Supply
 - 6.2.1.1 Market Size



- 6.2.1.2 Situation & Development
- 6.2.2 Market in Industrial Grid (Excluding Renewable Power) Adjustment and Management
 - 6.2.2.1 Market Size
 - 6.2.2.2 Situation & Development

7 MARKET FORECAST & TREND

- 7.1 Regional Forecast
- 7.2 Consumption Forecast
 - 7.2.1 Product Type Forecast
 - 7.2.2 End-Use Forecast
- 7.3 Investment Trend
- 7.4 Consumption Trend

8 PRICE & CHANNEL

- 8.1 Price and Cost
 - 8.1.1 Price
 - 8.1.2 Cost
- 8.2 Channel Segment

9 MARKET DRIVERS & INVESTMENT ENVIRONMENT

- 9.1 Market Drivers
- 9.2 Investment Environment

10 RESEARCH CONCLUSION



List Of Tables

LIST OF TABLES

Table Global Market Size and Forecast by Geography with Growth Rate, 2015-2025
Table Global Market Size and Forecast by Type with Growth Rate, 2015-2025
Table Global Market Size and Forecast by End-Use with Growth Rate, 2015-2025
Table Global Production Volume Status and Growth Rate by Geography, 2015-2018, in Volume

Table Global Production Amount Status and Growth Rate by Geography, 2015-2018, in Million USD

Table Global Market Volume and Growth Rate by Geography, 2015-2018, in Volume Table Global Market Amount and Growth Rate by Geography, 2015-2018, in Million USD

Table Asia-Pacific Production Volume Status and Growth Rate by Region, 2015-2018, in Volume

Table Asia-Pacific Production Amount Status and Growth Rate by Region, 2015-2018, in Million USD

Table North America Production Volume Status and Growth Rate by Region, 2015-2018, in Volume

Table North America Production Amount Status and Growth Rate by Region, 2015-2018, in Million USD

Table South America Production Volume Status and Growth Rate by Region, 2015-2018, in Volume

Table South America Production Amount Status and Growth Rate by Region, 2015-2018, in Million USD

Table Europe Production Volume Status and Growth Rate by Region, 2015-2018, in Volume

Table Europe Production Amount Status and Growth Rate by Region, 2015-2018, in Million USD

Table Middle East & Africa Production Volume Status and Growth Rate by Region, 2015-2018, in Volume

Table Middle East & Africa Production Amount Status and Growth Rate by Region, 2015-2018, in Million USD

Table Asia-Pacific Market Volume and Growth Rate by Region, 2015-2018, in Volume Table Asia-Pacific Market Amount and Growth Rate by Region, 2015-2018, in Million USD

Table North America Market Volume and Growth Rate by Region, 2015-2018, in Volume



Table North America Market Amount and Growth Rate by Region, 2015-2018, in Million USD

Table Europe Market Volume and Growth Rate by Region, 2015-2018, in Volume Table South America Market Amount and Growth Rate by Region, 2015-2018, in Million USD

Table Europe Market Volume and Growth Rate by Region, 2015-2018, in Volume Table Europe Market Amount and Growth Rate by Region, 2015-2018, in Million USD Table Middle East & Africa Market Volume and Growth Rate by Region, 2015-2018, in Volume

Table Middle East & Africa Market Amount and Growth Rate by Region, 2015-2018, in Million USD

Table Major Manufacturers Headquarters and Contact Information

Table Major Manufacturers Capacity List in 2018

Table Chemours (DuPont) Overview List

Table Vanadium Redox Flow Battery (VRFB) Business Operation of Chemours (DuPont) (Production Volume (Volume), Production Amount (Million USD), Price, Cost, Gross Margin)

Table FuMa-Tech Overview List

Table Vanadium Redox Flow Battery (VRFB) Business Operation of FuMa-Tech (Production Volume (Volume), Production Amount (Million USD), Price, Cost, Gross Margin)

Table Golden Energy Fuel Cell Overview List

Table Vanadium Redox Flow Battery (VRFB) Business Operation of Golden Energy Fuel Cell (Production Volume (Volume), Production Amount (Million USD), Price, Cost, Gross Margin)

Table Dalian Institute of Chemical Physics Overview List

Table Vanadium Redox Flow Battery (VRFB) Business Operation of Dalian Institute of Chemical Physics (Production Volume (Volume), Production Amount (Million USD), Price, Cost, Gross Margin)

Table Sumitomo Electric Industries Overview List

Table Vanadium Redox Flow Battery (VRFB) Business Operation of Sumitomo Electric Industries (Production Volume (Volume), Production Amount (Million USD), Price, Cost, Gross Margin)

Table RedT Overview List

Table Vanadium Redox Flow Battery (VRFB) Business Operation of RedT (Production Volume (Volume), Production Amount (Million USD), Price, Cost, Gross Margin)
Table UniEnergy Technologies Overview List

Table Vanadium Redox Flow Battery (VRFB) Business Operation of UniEnergy Technologies (Production Volume (Volume), Production Amount (Million USD), Price,



Cost, Gross Margin)

Table Gildemeister Overview List

Table Vanadium Redox Flow Battery (VRFB) Business Operation of Gildemeister (Production Volume (Volume), Production Amount (Million USD), Price, Cost, Gross Margin)

Table Vionxenergy Overview List

Table Vanadium Redox Flow Battery (VRFB) Business Operation of Vionxenergy (Production Volume (Volume), Production Amount (Million USD), Price, Cost, Gross Margin)

Table Big Pawer Overview List

Table Vanadium Redox Flow Battery (VRFB) Business Operation of Big Pawer (Production Volume (Volume), Production Amount (Million USD), Price, Cost, Gross Margin)

Table Golden Energy Fuel Cell Overview List

Table Vanadium Redox Flow Battery (VRFB) Business Operation of Golden Energy Fuel Cell (Production Volume (Volume), Production Amount (Million USD), Price, Cost, Gross Margin)

Table H2, Inc. Overview List

Table Vanadium Redox Flow Battery (VRFB) Business Operation of H2, Inc. (Production Volume (Volume), Production Amount (Million USD), Price, Cost, Gross Margin)

Table Rongke Power Overview List

Table Vanadium Redox Flow Battery (VRFB) Business Operation of Rongke Power (Production Volume (Volume), Production Amount (Million USD), Price, Cost, Gross Margin)

Table Global Production Volume List by Manufacturers, 2015-2018, in Volume Table Global Production Volume Share List by Manufacturers, 2015-2018, in Volume Table Global Production Amount List by Manufacturers, 2015-2018, in Million USD Table Global Production Amount Share List by Manufacturers, 2015-2018, in Million USD

Table Global Market Status and Growth Rate by Product Type Segment, 2015-2018, in Million USD

Table Global Market Status and Growth Rate by Product Type Segment 2015-2018, in Volume

Table Global Market Status and Growth Rate by End-Use Segment, 2015-2018, in Million USD

Table Global Market Status and Growth Rate by End-Use Segment 2015-2018, in Volume

Table Global Market Forecast by Region Segment 2019-2025, in Million USD



Table Global Market Forecast by Region Segment 2019-2025, in Volume Table Global Market Amount by Product Type Segment 2019-2025, in Million USD Table Global Market Volume by Product Type Segment 2019-2025, in Volume Table Global Market Amount by End-Use Segment 2019-2025, in Million USD Table Global Market Volume by End-Use Segment 2019-2025, in Volume



List Of Figures

LIST OF FIGURES

Figure Vanadium Redox Flow Battery (VRFB) Picture List

Figure Global Market Size and Forecast with Growth Rate, 2015-2025

Figure Global Production Volume Status and Growth Rate, 2015-2018, in Volume

Figure Global Production Amount Status and Growth Rate, 2015-2018, in Million USD

Figure Global Market Volume and Growth Rate, 2015-2018, in Volume

Figure Global Market Amount and Growth Rate, 2015-2018, in Million USD

Figure Asia-Pacific Production Volume Status and Growth Rate, 2015-2018, in Volume

Figure Asia-Pacific Production Amount Status and Growth Rate, 2015-2018, in Million USD

Figure North America Production Volume Status and Growth Rate, 2015-2018, in Volume

Figure North America Production Amount Status and Growth Rate, 2015-2018, in Million USD

Figure South America Production Volume Status and Growth Rate, 2015-2018, in Volume

Figure South America Production Amount Status and Growth Rate, 2015-2018, in Million USD

Figure Europe Production Volume Status and Growth Rate, 2015-2018, in Volume Figure Europe Production Amount Status and Growth Rate, 2015-2018, in Million USD Figure Middle East & Africa Production Volume Status and Growth Rate, 2015-2018, in Volume

Figure Middle East & Africa Production Amount Status and Growth Rate, 2015-2018, in Million USD

Figure Asia-Pacific Market Volume and Growth Rate, 2015-2018, in Volume

Figure Asia-Pacific Market Amount and Growth Rate, 2015-2018, in Million USD

Figure North America Market Volume and Growth Rate, 2015-2018, in Volume

Figure North America Market Amount and Growth Rate, 2015-2018, in Million USD

Figure Europe Market Volume and Growth Rate, 2015-2018, in Volume

Figure South America Market Amount and Growth Rate, 2015-2018, in Million USD

Figure Europe Market Volume and Growth Rate, 2015-2018, in Volume

Figure Europe Market Amount and Growth Rate, 2015-2018, in Million USD

Figure Middle East & Africa Market Volume and Growth Rate, 2015-2018, in Volume

Figure Middle East & Africa Market Amount and Growth Rate, 2015-2018, in Million USD

Figure Global Production Volume Share by Manufacturers in 2019, in Volume



Figure Global Production Amount Share by Manufacturers in 2019, in Million USD Figure Global Market Amount and Growth Rate in Full-fluorinion Ion Exchange Membrane, 2015-2018, in USD Million

Figure Global Market Amount and Growth Rate in Full-fluorinion Ion Exchange Membrane, 2015-2018, in Volume

Figure Global Market Amount and Growth Rate in Non-fluorinion Ion Exchange Membrane, 2015-2018, in USD Million

Figure Global Market Amount and Growth Rate in Non-fluorinion Ion Exchange Membrane, 2015-2018, in Volume

Figure Global Market Amount and Growth Rate in Others, 2015-2018, in USD Million Figure Global Market Amount and Growth Rate in Others, 2015-2018, in Volume Figure Global Market Amount and Growth Rate in Renewable Power Supply, 2015-2018, in USD Million

Figure Global Market Amount and Growth Rate in Renewable Power Supply, 2015-2018, in Volume

Figure Global Market Amount and Growth Rate in Industrial Grid (Excluding Renewable Power) Adjustment and Management, 2015-2018, in USD Million

Figure Global Market Amount and Growth Rate in Industrial Grid (Excluding Renewable Power) Adjustment and Management, 2015-2018, in Volume



I would like to order

Product name: Vanadium Redox Flow Battery (VRFB) Market Research: Global Status & Forecast by

Geography, Type & Application (2015-2025)

Product link: https://marketpublishers.com/r/VF5C454B713EN.html

Price: US\$ 2,280.00 (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 https://marketpublishers.com/r/VF5C454B713EN.html

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 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

