

Covid-19 Impact on Vanadium Redox Flow Battery (VRB) Market, Global Research Reports 2020-2021

<https://marketpublishers.com/r/CB254B39EDF3EN.html>

Date: June 2020

Pages: 95

Price: US\$ 3,250.00 (Single User License)

ID: CB254B39EDF3EN

Abstracts

This report covers market size and forecasts of Vanadium Redox Flow Battery (VRB), including the following market information:

Global Vanadium Redox Flow Battery (VRB) Market Size, 2019-2021, and 2020 (quarterly data), (US\$ Million) & (K Units)

Global Vanadium Redox Flow Battery (VRB) Market Size by Type and by Application, 2019-2021, and 2020 (quarterly data), (US\$ Million) & (K Units)

Global Vanadium Redox Flow Battery (VRB) Market Size by Region (and Key Countries), 2019-2021, and 2020 (quarterly data), (US\$ Million) & (K Units)

Global Vanadium Redox Flow Battery (VRB) Market Size by Company, 2019-2020 (quarterly data), (US\$ Million) & (K Units)

Key market players

Major competitors identified in this market include Sumitomo Electric Industries, Rongke Power, UniEnergy Technologies, redT Energy, Vionx Energy, Big Power, Australian Vanadium, Golden Energy Fuel Cell, H2, Inc., etc.

Based on the Region:

Asia-Pacific (China, Japan, South Korea, India and ASEAN)

North America (US and Canada)

Europe (Germany, France, UK and Italy)

Rest of World (Latin America, Middle East & Africa)

Based on the Type:

Carbon Paper Electrode

Graphite Felt Electrode

Based on the Application:

Large-Scale Energy Storage

Uninterruptible Power Supply

Others

Contents

- 1.1 Research Scope
- 1.2 Market Segmentation
- 1.3 Research Objectives
- 1.4 Research Methodology
 - 1.4.1 Research Process
 - 1.4.2 Data Triangulation
 - 1.4.3 Research Approach
 - 1.4.4 Base Year
- 1.5 Coronavirus Disease 2019 (Covid-19) Impact Will Have a Severe Impact on Global Growth
 - 1.5.1 Covid-19 Impact: Global GDP Growth, 2019, 2020 and 2021 Projections
 - 1.5.2 Covid-19 Impact: Commodity Prices Indices
 - 1.5.3 Covid-19 Impact: Global Major Government Policy
- 1.6 The Covid-19 Impact on Vanadium Redox Flow Battery (VRB) Industry
- 1.7 COVID-19 Impact: Vanadium Redox Flow Battery (VRB) Market Trends

2 GLOBAL VANADIUM REDOX FLOW BATTERY (VRB) QUARTERLY MARKET SIZE ANALYSIS

- 2.1 Vanadium Redox Flow Battery (VRB) Business Impact Assessment - COVID-19
 - 2.1.1 Global Vanadium Redox Flow Battery (VRB) Market Size, Pre-COVID-19 and Post- COVID-19 Comparison, 2015-2026
 - 2.1.2 Global Vanadium Redox Flow Battery (VRB) Price, Pre-COVID-19 and Post-COVID-19 Comparison, 2015-2026
- 2.2 Global Vanadium Redox Flow Battery (VRB) Quarterly Market Size 2020-2021
- 2.3 COVID-19-Driven Market Dynamics and Factor Analysis
 - 2.3.1 Drivers
 - 2.3.2 Restraints
 - 2.3.3 Opportunities
 - 2.3.4 Challenges

3 QUARTERLY COMPETITIVE ASSESSMENT, 2020

- 3.1 Global Vanadium Redox Flow Battery (VRB) Quarterly Market Size by Manufacturers, 2019 VS 2020
- 3.2 Global Vanadium Redox Flow Battery (VRB) Factory Price by Manufacturers
- 3.3 Location of Key Manufacturers Vanadium Redox Flow Battery (VRB) Manufacturing

Factories and Area Served

3.4 Date of Key Manufacturers Enter into Vanadium Redox Flow Battery (VRB) Market

3.5 Key Manufacturers Vanadium Redox Flow Battery (VRB) Product Offered

3.6 Mergers & Acquisitions, Expansion Plans

4 IMPACT OF COVID-19 ON VANADIUM REDOX FLOW BATTERY (VRB) SEGMENTS, BY TYPE

4.1 Introduction

1.4.1 Carbon Paper Electrode

1.4.2 Graphite Felt Electrode

4.2 By Type, Global Vanadium Redox Flow Battery (VRB) Market Size, 2019-2021

4.2.1 By Type, Global Vanadium Redox Flow Battery (VRB) Market Size by Type, 2020-2021

4.2.2 By Type, Global Vanadium Redox Flow Battery (VRB) Price, 2020-2021

5 IMPACT OF COVID-19 ON VANADIUM REDOX FLOW BATTERY (VRB) SEGMENTS, BY APPLICATION

5.1 Overview

5.5.1 Large-Scale Energy Storage

5.5.2 Uninterruptible Power Supply

5.5.3 Others

5.2 By Application, Global Vanadium Redox Flow Battery (VRB) Market Size, 2019-2021

5.2.1 By Application, Global Vanadium Redox Flow Battery (VRB) Market Size by Application, 2019-2021

5.2.2 By Application, Global Vanadium Redox Flow Battery (VRB) Price, 2020-2021

6 GEOGRAPHIC ANALYSIS

6.1 Introduction

6.2 North America

6.2.1 Macroeconomic Indicators of US

6.2.2 US

6.2.3 Canada

6.3 Europe

6.3.1 Macroeconomic Indicators of Europe

6.3.2 Germany

- 6.3.3 France
- 6.3.4 UK
- 6.3.5 Italy
- 6.4 Asia-Pacific
 - 6.4.1 Macroeconomic Indicators of Asia-Pacific
 - 6.4.2 China
 - 6.4.3 Japan
 - 6.4.4 South Korea
 - 6.4.5 India
 - 6.4.6 ASEAN
- 6.5 Rest of World
 - 6.5.1 Latin America
 - 6.5.2 Middle East and Africa

7 COMPANY PROFILES

- 7.1 Sumitomo Electric Industries
 - 7.1.1 Sumitomo Electric Industries Business Overview
 - 7.1.2 Sumitomo Electric Industries Vanadium Redox Flow Battery (VRB) Quarterly Production and Revenue, 2020
 - 7.1.3 Sumitomo Electric Industries Vanadium Redox Flow Battery (VRB) Product Introduction
 - 7.1.4 Sumitomo Electric Industries Response to COVID-19 and Related Developments
- 7.2 Rongke Power
 - 7.2.1 Rongke Power Business Overview
 - 7.2.2 Rongke Power Vanadium Redox Flow Battery (VRB) Quarterly Production and Revenue, 2020
 - 7.2.3 Rongke Power Vanadium Redox Flow Battery (VRB) Product Introduction
 - 7.2.4 Rongke Power Response to COVID-19 and Related Developments
- 7.3 UniEnergy Technologies
 - 7.3.1 UniEnergy Technologies Business Overview
 - 7.3.2 UniEnergy Technologies Vanadium Redox Flow Battery (VRB) Quarterly Production and Revenue, 2020
 - 7.3.3 UniEnergy Technologies Vanadium Redox Flow Battery (VRB) Product Introduction
 - 7.3.4 UniEnergy Technologies Response to COVID-19 and Related Developments
- 7.4 redT Energy
 - 7.4.1 redT Energy Business Overview
 - 7.4.2 redT Energy Vanadium Redox Flow Battery (VRB) Quarterly Production and

Revenue, 2020

7.4.3 redT Energy Vanadium Redox Flow Battery (VRB) Product Introduction

7.4.4 redT Energy Response to COVID-19 and Related Developments

7.5 Vionx Energy

7.5.1 Vionx Energy Business Overview

7.5.2 Vionx Energy Vanadium Redox Flow Battery (VRB) Quarterly Production and Revenue, 2020

7.5.3 Vionx Energy Vanadium Redox Flow Battery (VRB) Product Introduction

7.5.4 Vionx Energy Response to COVID-19 and Related Developments

7.6 Big Power

7.6.1 Big Power Business Overview

7.6.2 Big Power Vanadium Redox Flow Battery (VRB) Quarterly Production and Revenue, 2020

7.6.3 Big Power Vanadium Redox Flow Battery (VRB) Product Introduction

7.6.4 Big Power Response to COVID-19 and Related Developments

7.7 Australian Vanadium

7.7.1 Australian Vanadium Business Overview

7.7.2 Australian Vanadium Vanadium Redox Flow Battery (VRB) Quarterly Production and Revenue, 2020

7.7.3 Australian Vanadium Vanadium Redox Flow Battery (VRB) Product Introduction

7.7.4 Australian Vanadium Response to COVID-19 and Related Developments

7.8 Golden Energy Fuel Cell

7.8.1 Golden Energy Fuel Cell Business Overview

7.8.2 Golden Energy Fuel Cell Vanadium Redox Flow Battery (VRB) Quarterly Production and Revenue, 2020

7.8.3 Golden Energy Fuel Cell Vanadium Redox Flow Battery (VRB) Product Introduction

7.8.4 Golden Energy Fuel Cell Response to COVID-19 and Related Developments

7.9 H2, Inc.

7.9.1 H2, Inc. Business Overview

7.9.2 H2, Inc. Vanadium Redox Flow Battery (VRB) Quarterly Production and Revenue, 2020

7.9.3 H2, Inc. Vanadium Redox Flow Battery (VRB) Product Introduction

7.9.4 H2, Inc. Response to COVID-19 and Related Developments

8 SUPPLY CHAIN AND SALES CHANNELS ANALYSIS

8.1 Vanadium Redox Flow Battery (VRB) Supply Chain Analysis

8.1.1 Vanadium Redox Flow Battery (VRB) Supply Chain Analysis

- 8.1.2 Covid-19 Impact on Vanadium Redox Flow Battery (VRB) Supply Chain
- 8.2 Distribution Channels Analysis
 - 8.2.1 Vanadium Redox Flow Battery (VRB) Distribution Channels
 - 8.2.2 Covid-19 Impact on Vanadium Redox Flow Battery (VRB) Distribution Channels
 - 8.2.3 Vanadium Redox Flow Battery (VRB) Distributors
- 8.3 Vanadium Redox Flow Battery (VRB) Customers

9 KEY FINDINGS

10 APPENDIX

- 10.1 About Us
- 10.2 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. Overview of the World Economic Outlook Projections

Table 2. Summary of World Real per Capita Output (Annual percent change; in international currency at purchasing power parity)

Table 3. European Economies: Real GDP, Consumer Prices, Current Account Balance, and Unemployment (Annual percent change, unless noted otherwise)

Table 4. Asian and Pacific Economies: Real GDP, Consumer Prices, Current Account Balance, and Unemployment (Annual percent change, unless noted otherwise)

Table 5. Western Hemisphere Economies: Real GDP, Consumer Prices, Current Account Balance, and Unemployment (Annual percent change, unless noted otherwise)

Table 6. Middle Eastern and Central Asian Economies: Real GDP, Consumer Prices, Current Account Balance, and Unemployment (Annual percent change, unless noted otherwise)

Table 7. Covid-19 Impact: Global Major Government Policy

Table 8. The Covid-19 Impact on Vanadium Redox Flow Battery (VRB) Assessment

Table 9. COVID-19 Impact: Vanadium Redox Flow Battery (VRB) Market Trends

Table 10. COVID-19 Impact Global Vanadium Redox Flow Battery (VRB) Market Size

Table 11. Global Vanadium Redox Flow Battery (VRB) Market Size Pre-COVID-19 and Post- COVID-19 Comparison, 2015-2026 (K Units)

Table 12. Global Vanadium Redox Flow Battery (VRB) Price, Pre-COVID-19 and Post-COVID-19 Comparison, 2015-2026, (USD/Unit)

Table 13. Global Vanadium Redox Flow Battery (VRB) Quarterly Market Size, 2020 (US\$ Million) & (K Units)

Table 14. Global Vanadium Redox Flow Battery (VRB) Market Size, Pre-COVID-19 and Post- COVID-19 Quarterly Comparison, 2020-2021 (US\$ Million)

Table 15. Global Vanadium Redox Flow Battery (VRB) Market Size, Pre-COVID-19 and Post- COVID-19 Quarterly Comparison, 2020-2021 (K Units)

Table 16. Global Vanadium Redox Flow Battery (VRB) Market Growth Drivers

Table 17. Global Vanadium Redox Flow Battery (VRB) Market Restraints

Table 18. Global Vanadium Redox Flow Battery (VRB) Market Opportunities

Table 19. Global Vanadium Redox Flow Battery (VRB) Market Challenges

Table 20. Key Manufacturers Vanadium Redox Flow Battery (VRB) Quarterly Revenue, 2019 VS 2020 (US\$ Million)

Table 21. Top Manufacturers, Vanadium Redox Flow Battery (VRB) Market Size, 2019 (K Units) & (US\$ Million)

Table 22. Vanadium Redox Flow Battery (VRB) Factory Price by Manufacturers 2020

(USD/Unit)

Table 23. Location of Key Manufacturers Vanadium Redox Flow Battery (VRB) Manufacturing Plants

Table 24. Key Manufacturers Vanadium Redox Flow Battery (VRB) Market Served

Table 25. Date of Key Manufacturers Enter into Vanadium Redox Flow Battery (VRB) Market

Table 26. Key Manufacturers Vanadium Redox Flow Battery (VRB) Product Type

Table 27. Mergers & Acquisitions, Expansion Plans

Table 28. Global Vanadium Redox Flow Battery (VRB) Market Size by Type, 2020, (US\$ Million)

Table 29. Global Vanadium Redox Flow Battery (VRB) Market Size by Type, 2020 (K Units)

Table 30. Global Vanadium Redox Flow Battery (VRB) Price: by Type, 2020-2021 (USD/Unit)

Table 31. Global Vanadium Redox Flow Battery (VRB) Market Size by Application: 2020-2021 (US\$ Million)

Table 32. Global Vanadium Redox Flow Battery (VRB) Market Size by Application, 2020-2021 (K Units)

Table 33. Global Vanadium Redox Flow Battery (VRB) Price: by Application, 2020-2021 (USD/Unit)

Table 34. Global Vanadium Redox Flow Battery (VRB) Market Size by Region, 2019-2021 (US\$ Million)

Table 35. Global Vanadium Redox Flow Battery (VRB) Market Size by Region, 2019-2021 (K Units)

Table 36. By Country, North America Vanadium Redox Flow Battery (VRB) Market Size, 2019-2021 (US\$ Million)

Table 37. By Country, North America Vanadium Redox Flow Battery (VRB) Market Size, 2019-2021 (K Units)

Table 38. US Vanadium Redox Flow Battery (VRB) Market Size, 2019-2021 (US\$ Million) & (K Units)

Table 39. Canada Vanadium Redox Flow Battery (VRB) Market Size, 2019-2021 (US\$ Million) & (K Units)

Table 40. Macroeconomic Indicators of Europe (Germany, France, UK and Italy)

Table 41. By Country, Europe Vanadium Redox Flow Battery (VRB) Market Size, 2019-2021 (US\$ Million)

Table 42. By Country, Europe Vanadium Redox Flow Battery (VRB) Market Size, 2019-2021 (K Units)

Table 43. Germany Vanadium Redox Flow Battery (VRB) Market Size, 2019-2021 (US\$ Million) & (K Units)

Table 44. France Vanadium Redox Flow Battery (VRB) Market Size, 2019-2021 (US\$ Million) & (K Units)

Table 45. UK Vanadium Redox Flow Battery (VRB) Market Size, 2019-2021 (US\$ Million) & (K Units)

Table 46. Italy Vanadium Redox Flow Battery (VRB) Market Size, 2019-2021 (US\$ Million) & (K Units)

Table 47. Macroeconomic Indicators of Asia-Pacific (China, Japan, South Korea, India and ASEAN)

Table 48. By Region, Asia-Pacific Vanadium Redox Flow Battery (VRB) Market Size, 2019-2021 (US\$ Million)

Table 49. By Region, Asia-Pacific Vanadium Redox Flow Battery (VRB) Market Size, 2019-2021 (K Units)

Table 50. China Vanadium Redox Flow Battery (VRB) Market Size, 2019-2021 (US\$ Million) & (K Units)

Table 51. Japan Vanadium Redox Flow Battery (VRB) Market Size, 2019-2021 (US\$ Million) & (K Units)

Table 52. South Korea Vanadium Redox Flow Battery (VRB) Market Size, 2019-2021 (US\$ Million) & (K Units)

Table 53. India Vanadium Redox Flow Battery (VRB) Market Size, 2019-2021 (US\$ Million) & (K Units)

Table 54. ASEAN Vanadium Redox Flow Battery (VRB) Market Size, 2019-2021 (US\$ Million) & (K Units)

Table 55. Latin America Vanadium Redox Flow Battery (VRB) Market Size, 2019-2021 (US\$ Million) & (K Units)

Table 56. Middle East and Africa Vanadium Redox Flow Battery (VRB) Market Size, 2019-2021 (US\$ Million) & (K Units)

Table 57. Sumitomo Electric Industries Business Overview

Table 58. Sumitomo Electric Industries Vanadium Redox Flow Battery (VRB) Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin, (Q1, Q2, Q3, Q4) Quarter 2020

Table 59. Sumitomo Electric Industries Vanadium Redox Flow Battery (VRB) Product

Table 60. Sumitomo Electric Industries Response to COVID-19 and Related Developments

Table 61. Rongke Power Business Overview

Table 62. Rongke Power Vanadium Redox Flow Battery (VRB) Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin, (Q1, Q2, Q3, Q4) Quarter 2020

Table 63. Rongke Power Vanadium Redox Flow Battery (VRB) Product

Table 64. Rongke Power Response to COVID-19 and Related Developments

Table 65. UniEnergy Technologies Business Overview

Table 66. UniEnergy Technologies Vanadium Redox Flow Battery (VRB) Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin, (Q1, Q2, Q3, Q4) Quarter 2020

Table 67. UniEnergy Technologies Vanadium Redox Flow Battery (VRB) Product

Table 68. UniEnergy Technologies Response to COVID-19 and Related Developments

Table 69. redT Energy Business Overview

Table 70. redT Energy Vanadium Redox Flow Battery (VRB) Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin, (Q1, Q2, Q3, Q4) Quarter 2020

Table 71. redT Energy Vanadium Redox Flow Battery (VRB) Product

Table 72. redT Energy Response to COVID-19 and Related Developments

Table 73. Vionx Energy Business Overview

Table 74. Vionx Energy Vanadium Redox Flow Battery (VRB) Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin, (Q1, Q2, Q3, Q4) Quarter 2020

Table 75. Vionx Energy Vanadium Redox Flow Battery (VRB) Product

Table 76. Vionx Energy Response to COVID-19 and Related Developments

Table 77. Big Power Business Overview

Table 78. Big Power Vanadium Redox Flow Battery (VRB) Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin, (Q1, Q2, Q3, Q4) Quarter 2020

Table 79. Big Power Vanadium Redox Flow Battery (VRB) Product

Table 80. Big Power Response to COVID-19 and Related Developments

Table 81. Australian Vanadium Business Overview

Table 82. Australian Vanadium Vanadium Redox Flow Battery (VRB) Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin, (Q1, Q2, Q3, Q4) Quarter 2020

Table 83. Australian Vanadium Vanadium Redox Flow Battery (VRB) Product

Table 84. Australian Vanadium Response to COVID-19 and Related Developments

Table 85. Golden Energy Fuel Cell Business Overview

Table 86. Golden Energy Fuel Cell Vanadium Redox Flow Battery (VRB) Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin, (Q1, Q2, Q3, Q4) Quarter 2020

Table 87. Golden Energy Fuel Cell Vanadium Redox Flow Battery (VRB) Product

Table 88. Golden Energy Fuel Cell Response to COVID-19 and Related Developments

Table 89. H2, Inc. Business Overview

Table 90. H2, Inc. Vanadium Redox Flow Battery (VRB) Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin, (Q1, Q2, Q3, Q4) Quarter 2020

- Table 91. H2, Inc. Vanadium Redox Flow Battery (VRB) Product
- Table 92. H2, Inc. Response to COVID-19 and Related Developments
- Table 93. Vanadium Redox Flow Battery (VRB) Distributors List
- Table 94. Vanadium Redox Flow Battery (VRB) Customers List
- Table 95. Covid-19 Impact on Vanadium Redox Flow Battery (VRB) Customers

List Of Figures

LIST OF FIGURES

- Figure 1. Vanadium Redox Flow Battery (VRB) Product Picture
- Figure 2. Vanadium Redox Flow Battery (VRB) Market Segmentation
- Figure 3. Research Objectives
- Figure 4. Research Process
- Figure 5. Data Triangulation
- Figure 6. Research Approach
- Figure 7. Commodity Prices-Metals Price Indices
- Figure 8. Commodity Prices- Precious Metal Price Indices
- Figure 9. Commodity Prices- Agricultural Raw Material Price Indices
- Figure 10. Commodity Prices- Food and Beverage Price Indices
- Figure 11. Commodity Prices- Fertilizer Price Indices
- Figure 12. Commodity Prices- Energy Price Indices
- Figure 13. G20+: Economic Policy Responses to COVID-19
- Figure 14. Global Vanadium Redox Flow Battery (VRB) Market Size, Pre-COVID-19 and Post- COVID-19 Comparison, 2015-2026 (US\$ Million)
- Figure 15. Global Vanadium Redox Flow Battery (VRB) Market Size, Pre-COVID-19 and Post- COVID-19, Year-over-Year Growth Rate, 2015-2026 (%)
- Figure 16. Global Vanadium Redox Flow Battery (VRB) Market Size, Quarterly Growth, 2020-2021 (%)
- Figure 17. Global Vanadium Redox Flow Battery (VRB) Market Size, Market Share by Type, 2019 VS 2020 (%)
- Figure 18. Global Vanadium Redox Flow Battery (VRB) Market Size, Market Share by Application, 2019 VS 2020 (%)
- Figure 19. Global Vanadium Redox Flow Battery (VRB) Market Size Market Share by Region, 2019 VS 2020 (%)
- Figure 20. United States Composite PMI and GDP
- Figure 21. Eurozone Composite PMI and GDP
- Figure 22. Eurozone Core v. Periphery PMI Output Indices
- Figure 23. Core v. Periphery PMI Employment Indices
- Figure 24. UK Composite PMI and GDP
- Figure 25. Caixin China Composite Output Index
- Figure 26. Caixin China General Services Business Activity Index
- Figure 27. Japan Composite Output Index
- Figure 28. South Korea Manufacturing PMI
- Figure 29. India Composite Output Index

Figure 30. ASEAN Manufacturing PMI

Figure 31. By Region, Asia-Pacific Vanadium Redox Flow Battery (VRB) Market Size
Market Share, 2019-2021

I would like to order

Product name: Covid-19 Impact on Vanadium Redox Flow Battery (VRB) Market, Global Research Reports 2020-2021

Product link: <https://marketpublishers.com/r/CB254B39EDF3EN.html>

Price: US\$ 3,250.00 (Single User License / Electronic Delivery)

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

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/CB254B39EDF3EN.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

