

# Covid-19 Impact on All-Vanadium Redox Flow Battery Market, Global Research Reports 2020-2021

https://marketpublishers.com/r/C86FACF36F04EN.html

Date: June 2020

Pages: 97

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

ID: C86FACF36F04EN

### **Abstracts**

This report covers market size and forecasts of All-Vanadium Redox Flow Battery, including the following market information:

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

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

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

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

#### Key market players

Major competitors identified in this market include Sumitomo Electric, Dalian Rongke Power, UniEnergy Technologies, Gildemeister, redTENERGY Storage, 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:

Graphene Electrodes All-Vanadium Redox Flow Batteries

Carbon Felt Electrodes All-Vanadium Redox Flow Batteries

Based on the Application:

**Utility Facilities** 

Renewable Energy Integration

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 All-Vanadium Redox Flow Battery Industry
- 1.7 COVID-19 Impact: All-Vanadium Redox Flow Battery Market Trends

## 2 GLOBAL ALL-VANADIUM REDOX FLOW BATTERY QUARTERLY MARKET SIZE ANALYSIS

- 2.1 All-Vanadium Redox Flow Battery Business Impact Assessment COVID-19
- 2.1.1 Global All-Vanadium Redox Flow Battery Market Size, Pre-COVID-19 and Post-COVID-19 Comparison, 2015-2026
- 2.1.2 Global All-Vanadium Redox Flow Battery Price, Pre-COVID-19 and Post-COVID-19 Comparison, 2015-2026
- 2.2 Global All-Vanadium Redox Flow Battery 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 All-Vanadium Redox Flow Battery Quarterly Market Size by Manufacturers, 2019 VS 2020
- 3.2 Global All-Vanadium Redox Flow Battery Factory Price by Manufacturers
- 3.3 Location of Key Manufacturers All-Vanadium Redox Flow Battery Manufacturing



#### Factories and Area Served

- 3.4 Date of Key Manufacturers Enter into All-Vanadium Redox Flow Battery Market
- 3.5 Key Manufacturers All-Vanadium Redox Flow Battery Product Offered
- 3.6 Mergers & Acquisitions, Expansion Plans

# 4 IMPACT OF COVID-19 ON ALL-VANADIUM REDOX FLOW BATTERY SEGMENTS, BY TYPE

- 4.1 Introduction
  - 1.4.1 Graphene Electrodes All-Vanadium Redox Flow Batteries
  - 1.4.2 Carbon Felt Electrodes All-Vanadium Redox Flow Batteries
- 4.2 By Type, Global All-Vanadium Redox Flow Battery Market Size, 2019-2021
- 4.2.1 By Type, Global All-Vanadium Redox Flow Battery Market Size by Type, 2020-2021
  - 4.2.2 By Type, Global All-Vanadium Redox Flow Battery Price, 2020-2021

# 5 IMPACT OF COVID-19 ON ALL-VANADIUM REDOX FLOW BATTERY SEGMENTS, BY APPLICATION

- 5.1 Overview
  - 5.5.1 Utility Facilities
  - 5.5.2 Renewable Energy Integration
  - **5.5.3 Others**
- 5.2 By Application, Global All-Vanadium Redox Flow Battery Market Size, 2019-2021
- 5.2.1 By Application, Global All-Vanadium Redox Flow Battery Market Size by Application, 2019-2021
  - 5.2.2 By Application, Global All-Vanadium Redox Flow Battery 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
  - 7.1.1 Sumitomo Electric Business Overview
- 7.1.2 Sumitomo Electric All-Vanadium Redox Flow Battery Quarterly Production and Revenue, 2020
  - 7.1.3 Sumitomo Electric All-Vanadium Redox Flow Battery Product Introduction
- 7.1.4 Sumitomo Electric Response to COVID-19 and Related Developments
- 7.2 Dalian Rongke Power
  - 7.2.1 Dalian Rongke Power Business Overview
- 7.2.2 Dalian Rongke Power All-Vanadium Redox Flow Battery Quarterly Production and Revenue, 2020
  - 7.2.3 Dalian Rongke Power All-Vanadium Redox Flow Battery Product Introduction
- 7.2.4 Dalian 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 All-Vanadium Redox Flow Battery Quarterly Production and Revenue, 2020
  - 7.3.3 UniEnergy Technologies All-Vanadium Redox Flow Battery Product Introduction
  - 7.3.4 UniEnergy Technologies Response to COVID-19 and Related Developments
- 7.4 Gildemeister
  - 7.4.1 Gildemeister Business Overview
- 7.4.2 Gildemeister All-Vanadium Redox Flow Battery Quarterly Production and Revenue, 2020
- 7.4.3 Gildemeister All-Vanadium Redox Flow Battery Product Introduction
- 7.4.4 Gildemeister Response to COVID-19 and Related Developments



#### 7.5 redTENERGY Storage

- 7.5.1 redTENERGY Storage Business Overview
- 7.5.2 redTENERGY Storage All-Vanadium Redox Flow Battery Quarterly Production and Revenue, 2020
  - 7.5.3 redTENERGY Storage All-Vanadium Redox Flow Battery Product Introduction
  - 7.5.4 redTENERGY Storage Response to COVID-19 and Related Developments

#### **8 SUPPLY CHAIN AND SALES CHANNELS ANALYSIS**

- 8.1 All-Vanadium Redox Flow Battery Supply Chain Analysis
  - 8.1.1 All-Vanadium Redox Flow Battery Supply Chain Analysis
  - 8.1.2 Covid-19 Impact on All-Vanadium Redox Flow Battery Supply Chain
- 8.2 Distribution Channels Analysis
  - 8.2.1 All-Vanadium Redox Flow Battery Distribution Channels
  - 8.2.2 Covid-19 Impact on All-Vanadium Redox Flow Battery Distribution Channels
  - 8.2.3 All-Vanadium Redox Flow Battery Distributors
- 8.3 All-Vanadium Redox Flow Battery 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 All-Vanadium Redox Flow Battery Assessment
- Table 9. COVID-19 Impact: All-Vanadium Redox Flow Battery Market Trends
- Table 10. COVID-19 Impact Global All-Vanadium Redox Flow Battery Market Size
- Table 11. Global All-Vanadium Redox Flow Battery Market Size Pre-COVID-19 and Post- COVID-19 Comparison, 2015-2026 (K Units)
- Table 12. Global All-Vanadium Redox Flow Battery Price, Pre-COVID-19 and Post-COVID-19 Comparison, 2015-2026, (USD/Unit)
- Table 13. Global All-Vanadium Redox Flow Battery Quarterly Market Size, 2020 (US\$ Million) & (K Units)
- Table 14. Global All-Vanadium Redox Flow Battery Market Size, Pre-COVID-19 and Post- COVID-19 Quarterly Comparison, 2020-2021 (US\$ Million)
- Table 15. Global All-Vanadium Redox Flow Battery Market Size, Pre-COVID-19 and Post- COVID-19 Quarterly Comparison, 2020-2021 (K Units)
- Table 16. Global All-Vanadium Redox Flow Battery Market Growth Drivers
- Table 17. Global All-Vanadium Redox Flow Battery Market Restraints
- Table 18. Global All-Vanadium Redox Flow Battery Market Opportunities
- Table 19. Global All-Vanadium Redox Flow Battery Market Challenges
- Table 20. Key Manufacturers All-Vanadium Redox Flow Battery Quarterly Revenue, 2019 VS 2020 (US\$ Million)
- Table 21. Top Manufacturers, All-Vanadium Redox Flow Battery Market Size, 2019 (K Units) & (US\$ Million)
- Table 22. All-Vanadium Redox Flow Battery Factory Price by Manufacturers 2020



#### (USD/Unit)

- Table 23. Location of Key Manufacturers All-Vanadium Redox Flow Battery Manufacturing Plants
- Table 24. Key Manufacturers All-Vanadium Redox Flow Battery Market Served
- Table 25. Date of Key Manufacturers Enter into All-Vanadium Redox Flow Battery Market
- Table 26. Key Manufacturers All-Vanadium Redox Flow Battery Product Type
- Table 27. Mergers & Acquisitions, Expansion Plans
- Table 28. Global All-Vanadium Redox Flow Battery Market Size by Type, 2020, (US\$ Million)
- Table 29. Global All-Vanadium Redox Flow Battery Market Size by Type, 2020 (K Units)
- Table 30. Global All-Vanadium Redox Flow Battery Price: by Type, 2020-2021 (USD/Unit)
- Table 31. Global All-Vanadium Redox Flow Battery Market Size by Application: 2020-2021 (US\$ Million)
- Table 32. Global All-Vanadium Redox Flow Battery Market Size by Application, 2020-2021 (K Units)
- Table 33. Global All-Vanadium Redox Flow Battery Price: by Application, 2020-2021 (USD/Unit)
- Table 34. Global All-Vanadium Redox Flow Battery Market Size by Region, 2019-2021 (US\$ Million)
- Table 35. Global All-Vanadium Redox Flow Battery Market Size by Region, 2019-2021 (K Units)
- Table 36. By Country, North America All-Vanadium Redox Flow Battery Market Size, 2019-2021 (US\$ Million)
- Table 37. By Country, North America All-Vanadium Redox Flow Battery Market Size, 2019-2021 (K Units)
- Table 38. US All-Vanadium Redox Flow Battery Market Size, 2019-2021 (US\$ Million) & (K Units)
- Table 39. Canada All-Vanadium Redox Flow Battery Market Size, 2019-2021 (US\$ Million) & (K Units)
- Table 40. Macroeconomic Indicators of Europe (Germany, France, UK and Italy)
- Table 41. By Country, Europe All-Vanadium Redox Flow Battery Market Size, 2019-2021 (US\$ Million)
- Table 42. By Country, Europe All-Vanadium Redox Flow Battery Market Size, 2019-2021 (K Units)
- Table 43. Germany All-Vanadium Redox Flow Battery Market Size, 2019-2021 (US\$ Million) & (K Units)
- Table 44. France All-Vanadium Redox Flow Battery Market Size, 2019-2021 (US\$



Million) & (K Units)

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

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

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

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

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

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

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

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

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

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

Table 57. Sumitomo Electric Business Overview

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

Table 59. Sumitomo Electric All-Vanadium Redox Flow Battery Product

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

Table 61. Dalian Rongke Power Business Overview

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

Table 63. Dalian Rongke Power All-Vanadium Redox Flow Battery Product

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

Table 65. UniEnergy Technologies Business Overview

Table 66. UniEnergy Technologies All-Vanadium Redox Flow Battery Production (K



Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin, (Q1, Q2, Q3, Q4) Quarter 2020

Table 67. UniEnergy Technologies All-Vanadium Redox Flow Battery Product

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

Table 69. Gildemeister Business Overview

Table 70. Gildemeister All-Vanadium Redox Flow Battery Production (K Units),

Revenue (US\$ Million), Price (USD/Unit) and Gross Margin, (Q1, Q2, Q3, Q4) Quarter 2020

Table 71. Gildemeister All-Vanadium Redox Flow Battery Product

Table 72. Gildemeister Response to COVID-19 and Related Developments

Table 73. redTENERGY Storage Business Overview

Table 74. redTENERGY Storage All-Vanadium Redox Flow Battery Production (K

Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin, (Q1, Q2, Q3, Q4) Quarter 2020

Table 75. redTENERGY Storage All-Vanadium Redox Flow Battery Product

Table 76. redTENERGY Storage Response to COVID-19 and Related Developments

Table 77. All-Vanadium Redox Flow Battery Distributors List

Table 78. All-Vanadium Redox Flow Battery Customers List

Table 79. Covid-19 Impact on All-Vanadium Redox Flow Battery Customers



### **List Of Figures**

#### LIST OF FIGURES

- Figure 1. All-Vanadium Redox Flow Battery Product Picture
- Figure 2. All-Vanadium Redox Flow Battery 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 All-Vanadium Redox Flow Battery Market Size, Pre-COVID-19 and
- Post- COVID-19 Comparison, 2015-2026 (US\$ Million)
- Figure 15. Global All-Vanadium Redox Flow Battery Market Size, Pre-COVID-19 and
- Post- COVID-19, Year-over-Year Growth Rate, 2015-2026 (%)
- Figure 16. Global All-Vanadium Redox Flow Battery Market Size, Quarterly Growth, 2020-2021 (%)
- Figure 17. Global All-Vanadium Redox Flow Battery Market Size, Market Share by Type, 2019 VS 2020 (%)
- Figure 18. Global All-Vanadium Redox Flow Battery Market Size, Market Share by Application, 2019 VS 2020 (%)
- Figure 19. Global All-Vanadium Redox Flow Battery 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 All-Vanadium Redox Flow Battery Market Size Market Share, 2019-2021



#### I would like to order

Product name: Covid-19 Impact on All-Vanadium Redox Flow Battery Market, Global Research Reports

2020-2021

Product link: <a href="https://marketpublishers.com/r/C86FACF36F04EN.html">https://marketpublishers.com/r/C86FACF36F04EN.html</a>

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**

First name:

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <a href="https://marketpublishers.com/r/C86FACF36F04EN.html">https://marketpublishers.com/r/C86FACF36F04EN.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



