

# Zinc-Bromine Batteries: Global Market to 2026

<https://marketpublishers.com/r/ZB20236B5017EN.html>

Date: July 2021

Pages: 125

Price: US\$ 2,750.00 (Single User License)

ID: ZB20236B5017EN

## Abstracts

### Report Scope:

The scope of this report will cover all the large zinc-bromine batteries and compact zinc bromine batteries actively being consumed in various applications. A separate section titled “Key Market Indicators” includes detailed descriptions of the recent trends in the zinc-bromine battery market.

The report includes a separate section highlighting the impact of COVID-19 on the zinc-bromine battery market at the global level. The section will include the COVID-19 impact on supply and demand of zinc-bromine batteries, price impact and various strategic decisions taken by governments to boost the market.

The market size and estimations are provided in terms of volume (KWh) and value (\$ millions), using 2020 as base year. The market forecast will be given from 2021 to 2026. Market sizes at the regional and country levels are also covered. The impact of COVID-19 was also considered when deriving the market estimations. For companies reporting their revenue in U.S. dollars, the revenues are taken from their annual reports. For companies reporting their revenue in other currencies, the average annual currency conversion rate is used for the particular year to convert the revenue into U.S. dollars.

In terms of storage, the zinc-bromine battery market is segmented into -

Large.

Compact.

In terms of application, the zinc-bromine market is segmented into

Utilities.

Commercial and industrial.

Residential.

Electric vehicle charging grid.

Military.

Others (e.g., telecommunication, marine).

#### Report Includes:

81 data tables and 16 additional tables

An overview of the global markets for zinc-bromine batteries

Estimation of the market size and analyses of global market trends both in terms of volume (kWh) and value (\$ Million), with data from 2020, estimates for 2021 with projections of compound annual growth rates (CAGRs) through 2026

Highlights of the market potential for zinc-bromine batteries based on storage, application and region

Coverage of brief history, general battery characteristics, utility-scale electricity storage and technology comparison of battery energy storage systems, and description of advantages and function of hybrid redox flow battery

Insights into environmental regulations, value chain analysis and recent advancements in the renewable energy sector

Identification of market drivers, restraints and other forces impacting the global market and evaluation of current market size and forecast, and assessment of new developments in the industry

Market share analysis of the key companies of the industry and coverage of their proprietary technologies, strategic alliances, and other key market

strategies

Comprehensive company profiles of the leading players, including Premium Power Ltd., Primus Power, Axion Power International Inc., Bosch Group and Dynapower Energy Management

## Contents

### **CHAPTER 1 INTRODUCTION**

Market Definition  
Study Goals and Objectives  
Reasons for Doing This Study  
Scope of Report  
Intended Audience  
Methodology  
Geographic Breakdown  
Analyst's Credentials  
BCC Custom Research  
Related BCC Research Reports

### **CHAPTER 2 SUMMARY AND HIGHLIGHTS**

### **CHAPTER 3 TECHNOLOGY BACKGROUND**

Batteries  
General Description  
Brief History of Battery Technology  
General Battery Characteristics  
Voltage  
Capacity  
Shelf Life  
Drain  
Safety  
Utility-Scale Electricity Storage  
Overall Challenges  
Flow Batteries  
Battery Energy Storage: Technology Comparison

### **CHAPTER 4 MARKET OVERVIEW**

Introduction  
Market Indicators  
Rise in the Global Building and Construction Sector  
Lack of Research and Development Activities

Market Dynamics

Drivers

Changing National Policies

Restraints

## **CHAPTER 5 STRATEGIC MANAGEMENT INSIGHT**

Value Chain Analysis

Porter's Five Forces Analysis

Threats from New Entrants

Degree of Competition

Threats from Substitutes

Bargaining Power of Suppliers

Bargaining Power of Buyers

COVID Impact

Impact on Demand

Impact on Supply

Price Impact

Conclusion

## **CHAPTER 6 MARKET FOR ZINC-BROMINE BATTERIES BY STORAGE**

Overview

## **CHAPTER 7 MARKET FOR ZINC-BROMINE BATTERIES BY APPLICATION**

Overview

Utility

Commercial and Industrial

Residential

## **CHAPTER 8 MARKET FOR ZINC-BROMINE BATTERIES BY REGION**

Overview

North America

U.S.

Canada

Europe

Germany

France  
U.K.  
Spain  
Rest of Europe  
Asia-Pacific  
China  
Japan  
India  
Australia  
South Korea  
Rest of Asia-Pacific  
Latin America, Middle East and Africa

## **CHAPTER 9 COMPETITIVE LANDSCAPE**

Competitive Landscape: Global

## **CHAPTER 10 COMPANY PROFILES**

COVERTEL POWER  
DE NORA INDIA LTD.  
PREMIUM POWER LTD.  
PRIMUS POWER  
REDFLOW LTD.  
SANDIA NATIONAL LABORATORIES  
Related Components Manufacturers  
ALEVO US  
AXION POWER INTERNATIONAL INC.  
BOSCH GROUP  
DYNAPOWER ENERGY MANAGEMENT

## **CHAPTER 11 APPENDIX: ABBREVIATIONS AND ACRONYMS**

Appendix

## List Of Tables

### LIST OF TABLES

Summary Table: Global Market for Zinc-Bromine Batteries, by Region, Through 2026

Table 1: Zinc-Bromine Battery Cost, by Size and Application, 2010

Table 2: Advantages and Disadvantages: Zinc-Bromine Flow Batteries

Table 3: Large-Scale Energy Storage Technologies

Table 4: Global Market Volumes of Zinc-Bromine Batteries, by Storage, Through 2026

Table 5: Global Market for Zinc-Bromine Batteries, by Storage, Through 2026

Table 6: Global Market Volumes of Zinc-Bromine Batteries, by Application, Through 2026

Table 7: Global Market for Zinc-Bromine Batteries, by Application, Through 2026

Table 8: Global Market Volumes of Zinc-Bromine Batteries, by Region, Through 2026

Table 9: Global Market for Zinc-Bromine Batteries, by Region, Through 2026

Table 10: Existing and Planned U.S. Energy Storage Technologies, by Capacity, 2019

Table 11: U.S. Energy Storage Technologies, by Capacity, 2019

Table 12: Major North American Grid-Scale Electricity Storage Component  
Manufacturers and Engineers

Table 13: North American Market Volumes of Zinc-Bromine Batteries, by Country,  
Through 2026

Table 14: North American Market for Zinc-Bromine Batteries, by Country, Through 2026

Table 15: North American Market Volumes of Zinc-Bromine Batteries, by Storage,  
Through 2026

Table 16: North American Market for Zinc-Bromine Batteries, by Storage, Through 2026

Table 17: North American Market Volumes of Zinc-Bromine Batteries, by Application,  
Through 2026

Table 18: North American Market for Zinc-Bromine Batteries, by Application, Through  
2026

Table 19: U.S. Market Volumes of Zinc-Bromine Batteries, by Storage, Through 2026

Table 20: U.S. Market for Zinc-Bromine Batteries, by Storage, Through 2026

Table 21: U.S. Market Volumes of Zinc-Bromine Batteries, by Application, Through  
2026

Table 22: U.S. Market for Zinc-Bromine Batteries, by Application, Through 2026

Table 23: Canadian Market Volumes of Zinc-Bromine Batteries, by Storage, Through  
2026

Table 24: Canadian Market for Zinc-Bromine Batteries, by Storage, Through 2026

Table 25: Canadian Market Volumes of Zinc-Bromine Batteries, by Application, Through  
2026

Table 26: Canadian Market for Zinc-Bromine Batteries, by Application, Through 2026

Table 27: European Market Volumes of Zinc-Bromine Batteries, by Country, Through 2026

Table 28: European Market for Zinc-Bromine Batteries, by Country, Through 2026

Table 29: European Market Volumes of Zinc-Bromine Batteries, by Storage, Through 2026

Table 30: European Market for Zinc-Bromine Batteries, by Storage, Through 2026

Table 31: European Market Volumes of Zinc-Bromine Batteries, by Application, Through 2026

Table 32: European Market for Zinc-Bromine Batteries, by Application, Through 2026

Table 33: German Market Volumes of Zinc-Bromine Batteries, by Storage, Through 2026

Table 34: German Market for Zinc-Bromine Batteries, by Storage, Through 2026

Table 35: German Market Volumes of Zinc-Bromine Batteries, by Application, Through 2026

Table 36: German Market for Zinc-Bromine Batteries, by Application, Through 2026

Table 37: French Market Volumes of Zinc-Bromine Batteries, by Storage, Through 2026

Table 38: French Market for Zinc-Bromine Batteries, by Storage, Through 2026

Table 39: French Market Volumes of Zinc-Bromine Batteries, by Application, Through 2026

Table 40: French Market for Zinc-Bromine Batteries, by Application, Through 2026

Table 41: U.K. Market Volumes of Zinc-Bromine Batteries, by Storage, Through 2026

Table 42: U.K. Market for Zinc-Bromine Batteries, by Storage, Through 2026

Table 43: U.K. Market Volumes of Zinc-Bromine Batteries, by Application, Through 2026

Table 44: U.K. Market for Zinc-Bromine Batteries, by Application, Through 2026

Table 45: Spanish Market Volumes of Zinc-Bromine Batteries, by Storage, Through 2026

Table 46: Spanish Market for Zinc-Bromine Batteries, by Storage, Through 2026

Table 47: Spanish Market Volumes of Zinc-Bromine Batteries, by Application, Through 2026

Table 48: Spanish Market for Zinc-Bromine Batteries, by Application, Through 2026

Table 49: Rest of European Market Volumes of Zinc-Bromine Batteries, by Storage, Through 2026

Table 50: Rest of European Market for Zinc-Bromine Batteries, by Storage, Through 2026

Table 51: Rest of European Market Volumes of Zinc-Bromine Batteries, by Application, Through 2026

Table 52: Rest of European Market for Zinc-Bromine Batteries, by Application, Through 2026



2026

Table 53: Asia-Pacific Market Volume of Zinc-Bromine Batteries, by Country, Through 2026

Table 54: Asia-Pacific Market for Zinc-Bromine Batteries, by Country, Through 2026

Table 55: Asia-Pacific Market Volume of Zinc-Bromine Batteries, by Storage, Through 2026

Table 56: Asia-Pacific Market for Zinc-Bromine Batteries, by Storage, Through 2026

Table 57: Asia-Pacific Market Volume of Zinc-Bromine Batteries, by Application, Through 2026

Table 58: Asia-Pacific Market for Zinc-Bromine Batteries, by Application, Through 2026

Table 59: Chinese Market Volume of Zinc-Bromine Batteries, by Storage, Through 2026

Table 60: Chinese Market for Zinc-Bromine Batteries, by Storage, Through 2026

Table 61: Chinese Market Volume of Zinc-Bromine Batteries, by Application, Through 2026

Table 62: Chinese Market for Zinc-Bromine Batteries, by Application, Through 2026

Table 63: Japanese Market Volume of Zinc-Bromine Batteries, by Storage, Through 2026

Table 64: Japanese Market for Zinc-Bromine Batteries, by Storage, Through 2026

Table 65: Japanese Market Volume of Zinc-Bromine Batteries, by Application, Through 2026

Table 66: Japanese Market for Zinc-Bromine Batteries, by Application, Through 2026

Table 67: Indian Market for Zinc-Bromine Batteries, by Storage, Through 2026

Table 68: Indian Market Volume of Zinc-Bromine Batteries, by Storage, Through 2026

Table 69: Indian Market Volume of Zinc-Bromine Batteries, by Application, Through 2026

Table 70: Indian Market for Zinc-Bromine Batteries, by Application, Through 2026

Table 71: Australian Market Volume of Zinc-Bromine Batteries, by Storage, Through 2026

Table 72: Australian Market for Zinc-Bromine Batteries, by Storage, Through 2026

Table 73: Australian Market Volume of Zinc-Bromine Batteries, by Application, Through 2026

Table 74: Australian Market for Zinc-Bromine Batteries, by Application, Through 2026

Table 75: South Korean Market Volume of Zinc-Bromine Batteries, by Storage, Through 2026

Table 76: South Korean Market for Zinc-Bromine Batteries, by Storage, Through 2026

Table 77: South Korean Market Volume of Zinc-Bromine Batteries, by Application, Through 2026

Table 78: South Korean Market for Zinc-Bromine Batteries, by Application, Through 2026

Table 79: Rest of Asia-Pacific Market Volume of Zinc-Bromine Batteries, by Storage, Through 2026

Table 80: Rest of Asia-Pacific Market for Zinc-Bromine Batteries, by Storage, Through 2026

Table 81: Rest of Asia-Pacific Market Volume of Zinc-Bromine Batteries, by Application, Through 2026

Table 82: Rest of Asia-Pacific Market for Zinc-Bromine Batteries, by Application, Through 2026

Table 83: Latin American, Middle Eastern and African Market Volume of Zinc-Bromine Batteries, by Storage, Through 2026

Table 84: Latin American, Middle Eastern and African Market for Zinc-Bromine Batteries, by Storage, Through 2026

Table 85: Latin American, Middle Eastern and African Market Volume of Zinc-Bromine Batteries, by Application, Through 2026

Table 86: Latin American, Middle Eastern and African Market for Zinc-Bromine Batteries, by Application, Through 2026

Table 87: CoverTel Power: Company Overview, 2020

Table 88: De Nora India Ltd.: Company Overview, 2020

Table 89: Premium Power Ltd: Company Overview

Table 90: Primus Power: Company Overview

Table 91: Primus Power: Product Portfolio

Table 92: Redflow Ltd.: Company Overview

Table 93: Redflow Ltd.: Recent Developments, 2021

Table 94: Sandia National Laboratories: Company Overview

Table 95: Other Players in the Market for Zinc-Bromine Batteries

Table 96: Abbreviations and Acronyms Used in Market for Zinc-Bromine Batteries

## List Of Figures

### LIST OF FIGURES

Summary Figure: Global Market for Zinc-Bromine Batteries, by Region, 2020-2026

Figure 1: Flow Battery System

Figure 2: Flow Battery Cell Construction

Figure 3: Zinc-Bromine Battery Composition

Figure 4: U.S. Spending on Constructional Activities, February 2021-April 2021

Figure 5: Average Annual Net Renewable Capacity Additions, 2011-2022

Figure 6: Total Installed Power Capacity, by Energy Source, 2019 and 2050

Figure 7: Global Electric Vehicle Stock, by Country/Region, 2012-2020

Figure 8: Zinc-Bromine Battery Value Chain

Figure 9: Porter's Five Forces Analysis

Figure 10: Global Market for Zinc-Bromine Batteries, by Storage, 2020-2026

Figure 11: Global Market Shares of Zinc-Bromine Batteries, by Storage, 2020

Figure 12: Global Market for Zinc-Bromine Batteries, by Application, 2020-2026

Figure 13: Global Market Shares of Zinc-Bromine Batteries, by Application, 2020

Figure 14: Global Market for Zinc-Bromine Batteries, by Region, 2020-2026

Figure 15: Global Market Shares of Zinc-Bromine Batteries, by Region, 2020

Figure 16: North American Market for Zinc-Bromine Batteries, by Country, 2020-2026

Figure 17: North American Market Shares of Zinc-Bromine Batteries, by Country, 2020

Figure 18: North American Market for Zinc-Bromine Batteries, by Storage, 2020-2026

Figure 19: North American Market Shares of Zinc-Bromine Batteries, by Storage, 2020

Figure 20: North American Market for Zinc-Bromine Batteries, by Application, 2020-2026

Figure 21: North American Market Shares of Zinc-Bromine Batteries, by Application, 2020

Figure 22: U.S. Market Shares of Zinc-Bromine Batteries, by Storage, 2020

Figure 23: U.S. Market Shares of Zinc-Bromine Batteries, by Application, 2020

Figure 24: Canadian Market Shares of Zinc-Bromine Batteries, by Storage, 2020

Figure 25: Canadian Market Shares of Zinc-Bromine Batteries, by Application, 2020

Figure 26: European Market for Zinc-Bromine Batteries, by Country, 2020-2026

Figure 27: European Market Shares of Zinc-Bromine Batteries, by Country, 2020

Figure 28: European Market for Zinc-Bromine Batteries, by Storage, 2020-2026

Figure 29: European Market Shares of Zinc-Bromine Batteries, by Storage, 2020

Figure 30: European Market for Zinc-Bromine Batteries, by Application, 2020-2026

Figure 31: European Market Shares of Zinc-Bromine Batteries, by Application, 2020

Figure 32: German Market Shares of Zinc-Bromine Batteries, by Storage, 2020

Figure 33: German Market Shares of Zinc-Bromine Batteries, by Application, 2020

Figure 34: French Market Shares of Zinc-Bromine Batteries, by Storage, 2020

Figure 35: French Market Shares of Zinc-Bromine Batteries, by Application, 2020

Figure 36: U.K. Market Shares of Zinc-Bromine Batteries, by Storage, 2020

Figure 37: U.K. Market Shares of Zinc-Bromine Batteries, by Application, 2020

Figure 38: Spanish Market Shares of Zinc-Bromine Batteries, by Storage, 2020

Figure 39: Spanish Market Shares of Zinc-Bromine Batteries, by Application, 2020

Figure 40: Rest of European Market Shares of Zinc-Bromine Batteries, by Storage, 2020

Figure 41: Rest of European Market Shares of Zinc-Bromine Batteries, by Application, 2020

Figure 42: Asia-Pacific for Market for Zinc-Bromine Batteries, by Country, 2020-2026

Figure 43: Asia-Pacific Market Shares of Zinc-Bromine Batteries, by Country, 2020

Figure 44: Asia-Pacific Market for Zinc-Bromine Batteries, by Storage, 2020-2026

Figure 45: Asia-Pacific Market Shares of Zinc-Bromine Batteries, by Storage, 2020

Figure 46: Asia-Pacific Market for Zinc-Bromine Batteries, by Application, 2020-2026

Figure 47: Asia-Pacific Market Shares of Zinc-Bromine Batteries, by Application, 2020

Figure 48: Chinese Market Shares of Zinc-Bromine Batteries, by Storage, 2020

Figure 49: Chinese Market Shares of Zinc-Bromine Batteries, by Application, 2020

Figure 50: Japanese Market Shares of Zinc-Bromine Batteries, by Storage, 2020

Figure 51: Japanese Market Shares of Zinc-Bromine Batteries, by Application, 2020

Figure 52: Indian Market Shares of Zinc-Bromine Batteries, by Storage, 2020

Figure 53: Indian Market Shares of Zinc-Bromine Batteries, by Application, 2020

Figure 54: Australian Market Shares of Zinc-Bromine Batteries, by Storage, 2020

Figure 55: Australian Market Shares of Zinc-Bromine Batteries, by Application, 2020

Figure 56: South Korean Market Shares of Zinc-Bromine Batteries, by Storage, 2020

Figure 57: South Korean Market Shares of Zinc-Bromine Batteries, by Application, 2020

Figure 58: Rest of Asia-Pacific Market Shares of Zinc-Bromine Batteries, by Storage, 2020

Figure 59: Rest of Asia-Pacific Market Shares of Zinc-Bromine Batteries, by Application, 2020

Figure 60: Latin American, Middle Eastern and African Market for Zinc-Bromine Batteries, by Storage, 2020-2026

Figure 61: Latin American, Middle Eastern and African Market Shares of Zinc-Bromine Batteries, by Storage, 2020

Figure 62: Latin American, Middle Eastern and African Market for Zinc-Bromine Batteries, by Application, 2020-2026

Figure 63: Latin American, Middle Eastern and African Market Shares of Zinc-Bromine Batteries, by Application, 2020

Figure 64: Global Competitive Market Shares of Zinc-Bromine Batteries, by Company, 2020

Figure 65: Redflow Ltd.: Company Revenue, 2019 and 2020

## I would like to order

Product name: Zinc-Bromine Batteries: Global Market to 2026

Product link: <https://marketpublishers.com/r/ZB20236B5017EN.html>

Price: US\$ 2,750.00 (Single User License / Electronic Delivery)

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

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/ZB20236B5017EN.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