

North America Lithium-Ion Battery Energy Storage Market Forecast to 2028– COVID-19 Impact and Regional Analysis– by Capacity (0-10 kW, 10-20 kW, 20-50 kW, and Above 50 kW), Connection Type (On-Grid and Off-Grid), and End-use (Residential, Commercial and Industrial, and Utility)

<https://marketpublishers.com/r/N9E1844DA5BDEN.html>

Date: August 2023

Pages: 181

Price: US\$ 3,000.00 (Single User License)

ID: N9E1844DA5BDEN

Abstracts

The North America lithium-ion battery energy storage market is expected to grow from US\$ 4,295.34 million in 2023 to US\$ 7,605.07 million by 2028. It is estimated to grow at a CAGR of 12.1% from 2023 to 2028.

Rising Number of Wind Farms Fuels North America Lithium-Ion Battery Energy Storage Market

Wind farms continue to improve the safety and performance of energy storage systems in terms of environmental impact by enhancing their quality, quantity, and reliability. Battery storage solutions are becoming more popular due to widespread support for renewable energy and carbon reduction. Batteries can be crucial in balancing the erratic nature of renewable energy sources, significantly boosting electricity consumers' demand for clean energy.

Several manufacturers are focusing on establishing wind farms across the region. Onshore wind technology continues to dominate the growth of wind capacity. Still, offshore wind technology is expected to grow in the coming years; 93% of 830 GW of installed wind power in 2021 was generated from onshore systems, with the remaining 7% from offshore wind farms. In contrast to offshore wind, which is still in the early stages of development and only has capacity in 19 nations, onshore wind is a mature

technology used in 115 countries across the globe. However, with other nations preparing to build their first offshore wind farm, the offshore reach is anticipated to grow over the next few years. According to International Energy Agency, in 2021, offshore technology contributed ~22% of the 94 GW increase in overall wind capacity, three times the average over the preceding five years. Thus, the growing number of onshore and offshore wind farms are increasing the demand for battery energy storage, which is further driving the growth of North America lithium-ion battery energy storage market .

North America Lithium-Ion Battery Energy Storage Market Overview

North America lithium-ion battery energy storage market is broadly segmented into major 3 countries US, Canada, and Mexico. In North America, according to the US Department of Energy, the wind energy installation of 13 GW was done in 2021 in the US. Similarly, according to the Canadian Renewable Energy Association (CanREA), Canada installed 1.8 GW of new utility-scale wind and solar energy capacity in 2022. Together, solar, wind, and energy storage sectors grew by 10.5% compared to 2021. Also, it was seen that the energy storage additions of 50 MW were made, which is an increase of 30.5% annually. This accounted for a total of ~214 MW at the end of 2022. Thus, the growing investment in solar, wind, and energy storage capacity will increase the demand for lithium-ion batteries in the region.

North America Lithium-Ion Battery Energy Storage Market Revenue and Forecast to 2028 (US\$ Million)

North America Lithium-Ion Battery Energy Storage Market Segmentation

The North America lithium-ion battery energy storage market is segmented into capacity, connection type, end-use, and country.

Based on capacity, the North America lithium-ion battery energy storage market is segmented into 0-10 kW, 10-20 kW, 20-50 kW, and Above 50 kW. The 10-20 kW segment held the largest share of the North America lithium-ion battery energy storage market in 2023.

Based on connection type, the North America lithium-ion battery energy storage market is segmented into on-grid and off-grid. The on-grid segment held a larger share of the North America lithium-ion battery energy storage market in 2023.

Based on end use, the North America lithium-ion battery energy storage market is

segmented into residential, commercial and industrial, and utility. The utility segment held the largest share of the North America lithium-ion battery energy storage market in 2023.

Based on country, the North America lithium-ion battery energy storage market is segmented into the US, Canada, and Mexico. The US dominated the share of the North America lithium-ion battery energy storage market in 2023.

ABB Ltd; Blue Solutions SAS; BYD Co Ltd; Contemporary Amperex Technology Co Ltd; Doosan Gridtech Inc; Exide Industries Ltd; General Electric Co; Hitachi Energy Ltd; LG Chem Ltd; Mitsubishi Heavy Industries Ltd; Panasonic Holdings Corp; Samsung SDI Co Ltd; Siemens Energy AG; and Toshiba Corp are the leading companies operating in the North America lithium-ion battery energy storage market.

Contents

1. INTRODUCTION

- 1.1 Study Scope
- 1.2 The Insight Partners Research Report Guidance
- 1.3 Market Segmentation

2. KEY TAKEAWAYS

3. RESEARCH METHODOLOGY

- 3.1 Coverage
- 3.2 Secondary Research
- 3.3 Primary Research

4. NORTH AMERICA LITHIUM-ION BATTERY ENERGY STORAGE MARKET LANDSCAPE

- 4.1 Market Overview
- 4.2 North America PEST Analysis
- 4.3 Ecosystem Analysis
- 4.4 Expert Opinions

5. NORTH AMERICA LITHIUM-ION BATTERY ENERGY STORAGE MARKET – KEY MARKET DYNAMICS

- 5.1 Market Drivers
 - 5.1.1 Rising Number of Wind Farms
 - 5.1.2 Growing Establishment of Solar Plants
- 5.2 Market Restraints
 - 5.2.1 Availability of Alternative Technology
- 5.3 Market Opportunities
 - 5.3.1 Future Renewable Energy Pipeline
- 5.4 Trends
 - 5.4.1 Virtual Power Plant
- 5.5 Impact Analysis of Drivers and Restraints

6. LITHIUM-ION BATTERY ENERGY STORAGE MARKET –NORTH AMERICA

MARKET ANALYSIS

6.1 North America Lithium-Ion Battery Energy Storage Market Overview

6.2 North America Lithium-Ion Battery Energy Storage Market Revenue Forecast and Analysis (US\$ Million)

7. NORTH AMERICA LITHIUM-ION BATTERY ENERGY STORAGE MARKET REVENUE AND FORECAST TO 2028 – CAPACITY

7.1 Overview

7.2 North America Lithium-Ion Battery Energy Storage Market, By Capacity (2022 & 2028)

7.3 0-10kW

7.3.1 Overview

7.3.2 0-10kW: North America Lithium-Ion Battery Energy Storage Market Revenue and Forecast to 2028 (US\$ Million)

7.4-20kW

7.4.1 Overview

7.4.2-20kW: North America Lithium-Ion Battery Energy Storage Market Revenue and Forecast to 2028 (US\$ Million)

7.5-50kW

7.5.1 Overview

7.5.2-50kW: North America Lithium-Ion Battery Energy Storage Market Revenue and Forecast to 2028 (US\$ Million)

7.6 Above 50kW

7.6.1 Overview

7.6.2 Above 50kW: North America Lithium-Ion Battery Energy Storage Market Revenue and Forecast to 2028 (US\$ Million)

8. NORTH AMERICA LITHIUM-ION BATTERY ENERGY STORAGE MARKET REVENUE AND FORECAST TO 2028 – CONNECTION TYPE

8.1 Overview

8.2 North America Lithium-Ion Battery Energy Storage Market, By Connection Type (2022 & 2028)

8.3 On-Grid

8.3.1 Overview

8.3.2 On-Grid: North America Lithium-Ion Battery Energy Storage Market Revenue and Forecast to 2028 (US\$ Million)

8.4 Off-Grid

8.4.1 Overview

8.4.2 Off-Grid: North America Lithium-Ion Battery Energy Storage Market Revenue and Forecast to 2028 (US\$ Million)

9. NORTH AMERICA LITHIUM-ION BATTERY ENERGY STORAGE MARKET REVENUE AND FORECAST TO 2028 – END USE

9.1 Overview

9.2 North America Lithium-Ion Battery Energy Storage Market, By End Use (2022 & 2028)

9.3 Residential

9.3.1 Overview

9.3.2 Residential: North America Lithium-Ion Battery Energy Storage Market Revenue and Forecast to 2028 (US\$ Million)

9.3.2.1 0-10 KW

9.3.2.1.1 0-10 KW: North America Lithium-Ion Battery Energy Storage Market Revenue and Forecast to 2028 (US\$ Million)

9.3.2.2-20 KW

9.3.2.2.1-20 KW: North America Lithium-Ion Battery Energy Storage Market Revenue and Forecast to 2028 (US\$ Million)

9.3.2.3-50 KW

9.3.2.3.1-50 KW: North America Lithium-Ion Battery Energy Storage Market Revenue and Forecast to 2028 (US\$ Million)

9.4 Commercial and Industrial

9.4.1 Overview

9.4.2 Commercial and Industrial: North America Lithium-Ion Battery Energy Storage Market Revenue and Forecast to 2028 (US\$ Million)

9.4.2.1 0-10 KW

9.4.2.1.1 0-10 KW: North America Lithium-Ion Battery Energy Storage Market Revenue and Forecast to 2028 (US\$ Million)

9.4.2.2-20 KW

9.4.2.2.1-20 KW: North America Lithium-Ion Battery Energy Storage Market Revenue and Forecast to 2028 (US\$ Million)

9.4.2.3-50 KW

9.4.2.3.1-50 KW: North America Lithium-Ion Battery Energy Storage Market Revenue and Forecast to 2028 (US\$ Million)

9.4.2.4 Above 50kW

9.4.2.4.1 Above 50kW: North America Lithium-Ion Battery Energy Storage Market

Revenue and Forecast to 2028 (US\$ Million)

9.5 Utility

9.5.1 Overview

9.5.2 Utility: North America Lithium-Ion Battery Energy Storage Market Revenue and Forecast to 2028 (US\$ Million)

9.5.2.1 0-10 KW

9.5.2.1.1 0-10 KW: North America Lithium-Ion Battery Energy Storage Market Revenue and Forecast to 2028 (US\$ Million)

9.5.2.2-20 KW

9.5.2.2.1-20 KW: North America Lithium-Ion Battery Energy Storage Market Revenue and Forecast to 2028 (US\$ Million)

9.5.2.3-50 KW

9.5.2.3.1-50 KW: North America Lithium-Ion Battery Energy Storage Market Revenue and Forecast to 2028 (US\$ Million)

9.5.2.4 Above 50kW

9.5.2.4.1 Above 50kW: North America Lithium-Ion Battery Energy Storage Market Revenue and Forecast to 2028 (US\$ Million)

10. NORTH AMERICA LITHIUM-ION BATTERY ENERGY STORAGE MARKET – COUNTRY ANALYSIS

10.1 Overview

10.1.1 North America Lithium-Ion Battery Energy Storage Market, by Key Country

10.1.1.1 US: North America Lithium-Ion Battery Energy Storage Market – Revenue and Forecast to 2028 (US\$ Million)

10.1.1.1.1 US: North America Lithium-Ion Battery Energy Storage Market, By Capacity

10.1.1.1.2 US: North America Lithium-Ion Battery Energy Storage Market, by Connection Type

10.1.1.1.3 US: North America Lithium-Ion Battery Energy Storage Market, by End Use

10.1.1.2 Canada: North America Lithium-Ion Battery Energy Storage Market – Revenue and Forecast to 2028 (US\$ Million)

10.1.1.2.1 Canada: North America Lithium-Ion Battery Energy Storage Market, By Capacity

10.1.1.2.2 Canada: North America Lithium-Ion Battery Energy Storage Market, by Connection Type

10.1.1.2.3 Canada: North America Lithium-Ion Battery Energy Storage Market, by End Use

10.1.1.3 Mexico: North America Lithium-Ion Battery Energy Storage Market – Revenue and Forecast to 2028 (US\$ Million)

10.1.1.3.1 Mexico: North America Lithium-Ion Battery Energy Storage Market, By Capacity

10.1.1.3.2 Mexico: North America Lithium-Ion Battery Energy Storage Market, by Connection Type

10.1.1.3.3 Mexico: North America Lithium-Ion Battery Energy Storage Market, by End Use

11. INDUSTRY LANDSCAPE

11.1 Overview

11.2 Market Initiative

12. COMPANY PROFILES

12.1 ABB Ltd

12.1.1 Key Facts

12.1.2 Business Description

12.1.3 Products and Services

12.1.4 Financial Overview

12.1.5 SWOT Analysis

12.1.6 Key Developments

12.2 Doosan Gridtech Inc

12.2.1 Key Facts

12.2.2 Business Description

12.2.3 Products and Services

12.2.4 Financial Overview

12.2.5 SWOT Analysis

12.2.6 Key Developments

12.3 Exide Industries Ltd

12.3.1 Key Facts

12.3.2 Business Description

12.3.3 Products and Services

12.3.4 Financial Overview

12.3.5 SWOT Analysis

12.3.6 Key Developments

12.4 Hitachi Energy Ltd

12.4.1 Key Facts

- 12.4.2 Business Description
- 12.4.3 Products and Services
- 12.4.4 Financial Overview
- 12.4.5 SWOT Analysis
- 12.4.6 Key Developments
- 12.5 Toshiba Corp
 - 12.5.1 Key Facts
 - 12.5.2 Business Description
 - 12.5.3 Products and Services
 - 12.5.4 Financial Overview
 - 12.5.5 SWOT Analysis
 - 12.5.6 Key Developments
- 12.6 Mitsubishi Heavy Industries Ltd
 - 12.6.1 Key Facts
 - 12.6.2 Business Description
 - 12.6.3 Products and Services
 - 12.6.4 Financial Overview
 - 12.6.5 SWOT Analysis
 - 12.6.6 Key Developments
- 12.7 Blue Solutions SAS
 - 12.7.1 Key Facts
 - 12.7.2 Business Description
 - 12.7.3 Products and Services
 - 12.7.4 Financial Overview
 - 12.7.5 SWOT Analysis
 - 12.7.6 Key Developments
- 12.8 General Electric Co
 - 12.8.1 Key Facts
 - 12.8.2 Business Description
 - 12.8.3 Products and Services
 - 12.8.4 Financial Overview
 - 12.8.5 SWOT Analysis
 - 12.8.6 Key Developments
- 12.9 Siemens Energy AG
 - 12.9.1 Key Facts
 - 12.9.2 Business Description
 - 12.9.3 Products and Services
 - 12.9.4 Financial Overview
 - 12.9.5 SWOT Analysis

- 12.9.6 Key Developments
- 12.10 Panasonic Holdings Corp
 - 12.10.1 Key Facts
 - 12.10.2 Business Description
 - 12.10.3 Products and Services
 - 12.10.4 Financial Overview
 - 12.10.5 SWOT Analysis
 - 12.10.6 Key Developments
- 12.11 Contemporary Amperex Technology Co Ltd
 - 12.11.1 Key Facts
 - 12.11.2 Business Description
 - 12.11.3 Products and Services
 - 12.11.4 Financial Overview
 - 12.11.5 SWOT Analysis
 - 12.11.6 Key Developments
- 12.12 Samsung SDI Co Ltd
 - 12.12.1 Key Facts
 - 12.12.2 Business Description
 - 12.12.3 Products and Services
 - 12.12.4 Financial Overview
 - 12.12.5 SWOT Analysis
 - 12.12.6 Key Developments
- 12.13 LG Chem Ltd
 - 12.13.1 Key Facts
 - 12.13.2 Business Description
 - 12.13.3 Products and Services
 - 12.13.4 Financial Overview
 - 12.13.5 SWOT Analysis
 - 12.13.6 Key Developments
- 12.14 BYD Co Ltd
 - 12.14.1 Key Facts
 - 12.14.2 Business Description
 - 12.14.3 Products and Services
 - 12.14.4 Financial Overview
 - 12.14.5 SWOT Analysis
 - 12.14.6 Key Developments

13. APPENDIX

13.1 About The Insight Partners

13.2 Word Index

List Of Tables

LIST OF TABLES

Table 1. North America Lithium-Ion Battery Energy Storage Market Revenue and Forecast to 2028 (US\$ Million)

Table 2. US: North America Lithium-Ion Battery Energy Storage Market, By Capacity – Revenue and Forecast to 2028 (US\$ Million)

Table 3. US: North America Lithium-Ion Battery Energy Storage Market, by Connection Type – Revenue and Forecast to 2028 (US\$ Million)

Table 4. US: North America Lithium-Ion Battery Energy Storage Market, by End Use – Revenue and Forecast to 2028 (US\$ Million)

Table 5. Canada: North America Lithium-Ion Battery Energy Storage Market, By Capacity – Revenue and Forecast to 2028 (US\$ Million)

Table 6. Canada: North America Lithium-Ion Battery Energy Storage Market, by Connection Type – Revenue and Forecast to 2028 (US\$ Million)

Table 7. Canada: North America Lithium-Ion Battery Energy Storage Market, by End Use – Revenue and Forecast to 2028 (US\$ Million)

Table 8. Mexico: North America Lithium-Ion Battery Energy Storage Market, By Capacity – Revenue and Forecast to 2028 (US\$ Million)

Table 9. Mexico: North America Lithium-Ion Battery Energy Storage Market, by Connection Type – Revenue and Forecast to 2028 (US\$ Million)

Table 10. Mexico: North America Lithium-Ion Battery Energy Storage Market, by End Use – Revenue and Forecast to 2028 (US\$ Million)

Table 11. List of Abbreviation

List Of Figures

LIST OF FIGURES

Figure 1. North America Lithium-Ion Battery Energy Storage Market Segmentation

Figure 2. North America Lithium-Ion Battery Energy Storage Market Segmentation – By Country

Figure 3. North America Lithium-Ion Battery Energy Storage Market Overview

Figure 4. North America Lithium-Ion Battery Energy Storage Market, by Connection Type

Figure 5. North America Lithium-Ion Battery Energy Storage Market, by Country

Figure 6. North America – PEST Analysis

Figure 7. North America Lithium-Ion Battery Energy Storage Market – Ecosystem Analysis

Figure 8. North America Lithium-Ion Battery Energy Storage Market: Impact Analysis of Drivers and Restraints

Figure 9. North America Lithium-Ion Battery Energy Storage Market Revenue Forecast and Analysis (US\$ Million)

Figure 10. North America Lithium-Ion Battery Energy Storage Market, By Capacity (2022 & 2028)

Figure 11. 0-10kW: North America Lithium-Ion Battery Energy Storage Market Revenue and Forecast to 2028 (US\$ Million)

Figure 12. -20kW: North America Lithium-Ion Battery Energy Storage Market Revenue and Forecast to 2028 (US\$ Million)

Figure 13. -50kW: North America Lithium-Ion Battery Energy Storage Market Revenue and Forecast to 2028 (US\$ Million)

Figure 14. Above 50kW: North America Lithium-Ion Battery Energy Storage Market Revenue and Forecast to 2028 (US\$ Million)

Figure 15. North America Lithium-Ion Battery Energy Storage Market, By Connection Type (2022 & 2028)

Figure 16. On-Grid: North America Lithium-Ion Battery Energy Storage Market Revenue and Forecast to 2028 (US\$ Million)

Figure 17. Off-Grid: North America Lithium-Ion Battery Energy Storage Market Revenue and Forecast to 2028 (US\$ Million)

Figure 18. North America Lithium-Ion Battery Energy Storage Market, By End Use (2022 & 2028)

Figure 19. Residential: North America Lithium-Ion Battery Energy Storage Market Revenue and Forecast to 2028 (US\$ Million)

Figure 20. 0-10 KW: North America Lithium-Ion Battery Energy Storage Market

Revenue and Forecast to 2028 (US\$ Million)

Figure 21.-20 KW: North America Lithium-Ion Battery Energy Storage Market Revenue and Forecast to 2028 (US\$ Million)

Figure 22.-50 KW: North America Lithium-Ion Battery Energy Storage Market Revenue and Forecast to 2028 (US\$ Million)

Figure 23. Commercial and Industrial: North America Lithium-Ion Battery Energy Storage Market Revenue and Forecast to 2028 (US\$ Million)

Figure 24. 0-10 KW: North America Lithium-Ion Battery Energy Storage Market Revenue and Forecast to 2028 (US\$ Million)

Figure 25.-20 KW: North America Lithium-Ion Battery Energy Storage Market Revenue and Forecast to 2028 (US\$ Million)

Figure 26.-50 KW: North America Lithium-Ion Battery Energy Storage Market Revenue and Forecast to 2028 (US\$ Million)

Figure 27. Above 50kW: North America Lithium-Ion Battery Energy Storage Market Revenue and Forecast to 2028 (US\$ Million)

Figure 28. Utility: North America Lithium-Ion Battery Energy Storage Market Revenue and Forecast to 2028 (US\$ Million)

Figure 29. 0-10 KW: North America Lithium-Ion Battery Energy Storage Market Revenue and Forecast to 2028 (US\$ Million)

Figure 30.-20 KW: North America Lithium-Ion Battery Energy Storage Market Revenue and Forecast to 2028 (US\$ Million)

Figure 31.-50 KW: North America Lithium-Ion Battery Energy Storage Market Revenue and Forecast to 2028 (US\$ Million)

Figure 32. Above 50kW: North America Lithium-Ion Battery Energy Storage Market Revenue and Forecast to 2028 (US\$ Million)

Figure 33. North America Lithium-Ion Battery Energy Storage Market, by Key Country—Revenue (2022) (US\$ Million)

Figure 34. North America Lithium-Ion Battery Energy Storage Market Revenue Share, by Key Country (2022 & 2028)

Figure 35. US: North America Lithium-Ion Battery Energy Storage Market – Revenue and Forecast to 2028 (US\$ Million)

Figure 36. Canada: North America Lithium-Ion Battery Energy Storage Market – Revenue and Forecast to 2028 (US\$ Million)

Figure 37. Mexico: North America Lithium-Ion Battery Energy Storage Market – Revenue and Forecast to 2028 (US\$ Million)

I would like to order

Product name: North America Lithium-Ion Battery Energy Storage Market Forecast to 2028– COVID-19 Impact and Regional Analysis– by Capacity (0-10 kW, 10-20 kW, 20-50 kW, and Above 50 kW), Connection Type (On-Grid and Off-Grid), and End-use (Residential, Commercial and Industrial, and Utility)

Product link: <https://marketpublishers.com/r/N9E1844DA5BDEN.html>

Price: US\$ 3,000.00 (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/N9E1844DA5BDEN.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