

COVID-19 Impact on the Battery Energy Storage Market by Application (Residential, Nonresidential, and Utilities) and Region - Global Forecast to 2021

<https://marketpublishers.com/r/C075C2D87851EN.html>

Date: April 2020

Pages: 52

Price: US\$ 4,950.00 (Single User License)

ID: C075C2D87851EN

Abstracts

The utilities segment is projected to grow at a higher growth rate than the other applications during the forecast period

MarketsandMarkets projects that the global battery energy storage market size is projected to grow from USD 5.7 billion in 2020 to USD 7.3 billion by 2021 during the forecast period. The utilities segment is likely to account for the largest share in the battery energy storage market, by application. According to the US EIA and NREL, utility-owned battery energy storage systems play a crucial role in the operations of current and future energy generation mix of a country. In addition to the system flexibility it provides, a battery energy storage system also offers reliable interconnections in neighboring power systems. The utilities segment is mainly being driven by the increasing financial incentives and regulatory supports from the governments globally.

Asia Pacific is projected to be the largest and fastest growing battery energy storage market during the forecast period

The Asia Pacific region is projected to be the fastest growing market for battery energy storage during the forecast period. The market in the region is expected to witness a moderate decline during the forecast period due to the COVID-19 pandemic. The region is the largest market for battery energy storage and home to some of the fastest growing economies in the world.

Asia Pacific also plans for electrification in remote areas, which are mainly off-grid in several countries. The governments of various countries in this region focus on

minimizing the adverse effects of the energy sector on the environment. Some of the major battery energy storage system manufacturers based in Asia Pacific are Samsung SDI, LG Chem, Hitachi, Panasonic, and NEC Corporation.

In-depth interviews were conducted with CXOs, managers, and key executives from various key organizations operating in the battery energy storage market.

By Company Type: Tire 1: 46%, Tire 2: 31%, and Tire 3: 23%

By Designation: Managers: 42%, CXOs: 37%, and Executives: 21%

By Region: Asia Pacific: 21%, Europe: 24%, North America: 49%, and RoW: 6%

The battery energy storage market includes major players, such as ABB (Switzerland), LG Chem (South Korea), NEC (Japan), Panasonic (Japan), Samsung SDI (South Korea), AEG Power Solutions (Netherlands), General Electric (US), Hitachi (Japan), Siemens (Germany), Tesla (US), and Schneider Electric (France). The study includes COVID-19-focused profiles and analysis of these players in the battery energy storage sector, with their company profiles, recent developments, and the key market strategies.

Research Coverage

The study covers the battery energy storage market across segments. It aims at estimating the market size and its growth potential across different segments such as application and region. The study also includes an in-depth COVID-19-focused profiles and analysis of key players in the market, along with their company profiles, key observations related to product and business offerings, recent developments, and key market strategies to cater to the growing market demand during the current pandemic.

Key Benefits of Buying the Report

The report will help market leaders/new entrants in this market with information on the closest approximations of the revenue numbers for the overall battery energy storage market and subsegments. This report will help stakeholders understand the competitive landscape and gain more insights to position their businesses better and plan suitable go-to-market strategies. The report will also help the stakeholders to understand the pulse of the market and will provide them with information on key market drivers, restraints, challenges, and opportunities.

Contents

1 INTRODUCTION

1.1 COVID-19 HEALTH ASSESSMENT

1.2 COVID-19 ECONOMIC ASSESSMENT

1.2.1 COVID-19 IMPACT ON THE ECONOMY: SCENARIO ASSESSMENT

2 COVID-19 IMPACT ON THE BATTERY ENERGY STORAGE ECOSYSTEM

2.1 INTRODUCTION

2.2 VALUE CHAIN OF THE BATTERY ENERGY STORAGE INDUSTRY

2.3 IMPACT ON THE VALUE CHAIN

2.3.1 RAW MATERIALS/SUPPLIERS

2.3.2 BATTERY MANUFACTURERS

2.3.3 POWER CONVERSION SUPPLIERS

2.3.4 SOFTWARE SUPPLIERS

2.3.5 ENERGY STORAGE SYSTEM SUPPLIERS

2.3.6 ENERGY STORAGE INTEGRATORS

2.3.7 ENERGY STORAGE OPERATORS

2.4 MACROECONOMIC INDICATORS

2.4.1 DRIVERS

2.4.1.1 Growing need for continuous power from critical infrastructure sectors

2.4.1.2 Need to integrate renewable energy sources and rural electrification

2.4.2 RESTRAINTS

2.4.2.1 Government's focus on healthcare and economic revival

2.4.2.2 Impact on the supply chain and stalling and delay of ESS projects

3 GROWING OPPORTUNITIES IN THE BATTERY ENERGY STORAGE MARKET

3.1 MOST ATTRACTIVE MARKETS: IMPACTS AND OPPORTUNITIES

3.1.1 UTILITY OWNED

3.1.1.1 Impact on utility-owned energy storage systems

3.1.1.2 Opportunities for utility-owned energy storage systems

3.2 WORST AFFECTED MARKETS: IMPACT & OPPORTUNITIES

3.2.1 RESIDENTIAL

3.2.1.1 Impact on residential energy storage systems

3.2.1.2 Opportunities for residential energy storage systems

4 CUSTOMER ANALYSIS

4.1 SHIFT IN LITHIUM-ION BATTERIES

4.1.1 DISRUPTION IN THE INDUSTRY

4.1.2 IMPACT ON CUSTOMER OUTPUT AND STRATEGIES TO RESUME/IMPROVE PRODUCTION

4.1.3 NEW MARKET OPPORTUNITIES/GROWTH OPPORTUNITIES

4.2 SHIFT IN LEAD-ACID BATTERIES

4.2.1 DISRUPTION IN THE INDUSTRY

4.2.2 IMPACT ON CUSTOMER OUTPUT AND STRATEGIES TO RESUME/IMPROVE PRODUCTION

4.2.3 NEW MARKET/GROWTH OPPORTUNITIES

5 IMPACT OF COVID-19 ON BATTERY ENERGY STORAGE MARKET, BY APPLICATION

5.1 BY APPLICATION

5.2 RESIDENTIAL

5.3 NONRESIDENTIAL

5.4 UTILITIES

6 SHORT-TERM STRATEGIES OF BATTERY ENERGY STORAGE COMPANIES

DUE TO THE COVID-19 OUTBREAK

6.1 IMPACT OF THE COVID-19 OUTBREAK ON BATTERY ENERGY STORAGE COMPANIES' PORTFOLIO

6.1.1 PRODUCT AND APPLICATION

6.1.2 REGION

6.2 WINNING STRATEGIES TO GAIN MARKET SHARE

6.2.1 SHORT-TERM STRATEGIES

6.2.2 LONG-TERM STRATEGIES

6.3 KEY COMPANIES AND THEIR BUSINESS PLANS

7 IMPACT OF COVID-19 ON THE BATTERY ENERGY STORAGE MARKET, BY REGION

7.1 INTRODUCTION

7.1.1 OPTIMISTIC SCENARIO

7.1.2 REALISTIC SCENARIO

7.1.3 PESSIMISTIC SCENARIO

7.2 NORTH AMERICA

7.2.1 US

7.2.2 CANADA

7.2.3 MEXICO

7.3 EUROPE

7.3.1 UK

7.3.2 GERMANY

7.3.3 FRANCE

7.3.4 REST OF EUROPE

7.4 ASIA PACIFIC

7.4.1 CHINA

7.4.2 JAPAN

7.4.3 INDIA

7.4.4 SOUTH KOREA

7.4.5 REST OF ASIA PACIFIC

7.5 REST OF THE WORLD (ROW)

7.5.1 SOUTH AMERICA

7.5.2 MIDDLE EAST

7.5.3 AFRICA

8 APPENDIX

8.1 KNOWLEDGE STORE: MARKETSANDMARKETS' SUBSCRIPTION PORTAL

8.2 AUTHOR DETAILS

List Of Tables

LIST OF TABLES

TABLE 1 RESIDENTIAL: BATTERY ENERGY STORAGE SYSTEM MARKET SIZE, BY REGION, 2019–2021 (USD MILLION)

TABLE 2 NONRESIDENTIAL: BATTERY ENERGY STORAGE SYSTEM MARKET SIZE, BY REGION, 2019–2021 (USD MILLION)

TABLE 3 UTILITIES: BATTERY ENERGY STORAGE SYSTEM MARKET SIZE, BY REGION, 2019–2021 (USD MILLION)

TABLE 4 BATTERY ENERGY STORAGE MARKET SIZE, BY REGION, OPTIMISTIC SCENARIO, 2019–2021 (USD MILLION)

TABLE 5 BATTERY ENERGY STORAGE MARKET SIZE, BY REGION, REALISTIC SCENARIO, 2019–2021 (USD MILLION)

TABLE 6 BATTERY ENERGY STORAGE MARKET SIZE, BY REGION, PESSIMISTIC SCENARIO, 2019–2021 (USD MILLION)

TABLE 7 NORTH AMERICA: COVID-19 IMPACT ON KEY SECTORS AND GDP DEVIATIONS

TABLE 8 NORTH AMERICA: BATTERY ENERGY STORAGE MARKET SIZE, BY APPLICATION, 2019–2021 (USD MILLION)

TABLE 9 NORTH AMERICA BATTERY ENERGY STORAGE MARKET SIZE, BY COUNTRY, 2019–2021 (USD MILLION)

TABLE 10 EUROPE: COVID-19 IMPACT ON KEY SECTORS AND GDP DEVIATIONS

TABLE 11 EUROPE: BATTERY ENERGY STORAGE MARKET SIZE, BY APPLICATION, 2019–2021 (USD MILLION)

TABLE 12 EUROPE: BATTERY ENERGY STORAGE MARKET SIZE, BY COUNTRY, 2019–2021 (USD MILLION)

TABLE 13 ASIA PACIFIC: COVID-19 IMPACT ON KEY SECTORS AND GDP DEVIATIONS

TABLE 14 ASIA PACIFIC: BATTERY ENERGY STORAGE MARKET SIZE, BY APPLICATION, 2019–2021 (USD MILLION)

TABLE 15 ASIA PACIFIC: BATTERY ENERGY STORAGE MARKET SIZE, BY COUNTRY, 2019–2021 (USD MILLION)

TABLE 16 SOUTH AMERICA: COVID-19 IMPACT ON KEY SECTORS AND GDP DEVIATIONS

TABLE 17 REST OF THE WORLD: BATTERY ENERGY STORAGE MARKET SIZE, BY APPLICATION, 2019–2021 (USD MILLION)

TABLE 18 REST OF THE WORLD: BATTERY ENERGY STORAGE MARKET SIZE, BY COUNTRY, 2019–2021 (USD MILLION)

TABLE 19 MIDDLE EAST AND AFRICA: COVID-19 IMPACT ON KEY SECTORS AND GDP DEVIATIONS

List Of Figures

LIST OF FIGURES

FIGURE 1 COVID-19: THE GLOBAL PROPAGATION

FIGURE 2 COVID-19 PROPAGATION: SELECTED COUNTRIES

FIGURE 3 COUNTRIES BEGIN WITH SIMILAR TRAJECTORIES, BUT CURVES
DEVIATE BASED

ON MEASURES TAKEN

FIGURE 4 REVISED GDP FORECASTS FOR SELECT G20 COUNTRIES IN 2020

FIGURE 5 CRITERIA IMPACTING THE GLOBAL ECONOMY

FIGURE 6 SCENARIOS IN TERMS OF THE RECOVERY OF THE GLOBAL
ECONOMY

FIGURE 7 BATTERY ENERGY STORAGE: VALUE CHAIN

FIGURE 8 BATTERY ENERGY STORAGE: COUNTRY-WISE SHARE (2014–2018)

FIGURE 9 US ENERGY STORAGE PROJECTS ARE EXPECTED TO BE DELAYED
DUE TO

COVID-19 OUTBREAK IN 2020

FIGURE 10 SHARE OF LITHIUM-ION BATTERY COMPONENTS IN, CHINA 2018

FIGURE 11 GLOBAL LITHIUM CONSUMPTION SHARE BY KEY COUNTRIES, 2019

FIGURE 12 GLOBAL SHARE OF MAJOR LITHIUM-PRODUCING COMPANIES FOR
2019

I would like to order

Product name: COVID-19 Impact on the Battery Energy Storage Market by Application (Residential, Nonresidential, and Utilities) and Region - Global Forecast to 2021

Product link: <https://marketpublishers.com/r/C075C2D87851EN.html>

Price: US\$ 4,950.00 (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/C075C2D87851EN.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

