

Battery Monitoring System Market by Component (Hardware, Software), Type (Wired, Wireless), Battery Type (Lithium-Ion Based, Lead-Acid), End-User (Telecommunications, Automotive, Energy, Industries), and Region - Global Forecast to 2022

<https://marketpublishers.com/r/B612E090222EN.html>

Date: February 2018

Pages: 141

Price: US\$ 5,650.00 (Single User License)

ID: B612E090222EN

Abstracts

“The battery monitoring system market is projected to grow at a CAGR of 18.23%, from 2017 to 2022.”

The battery monitoring system market is projected to reach USD 5.47 billion by 2022, from an estimated USD 2.37 billion in 2017, at a CAGR of 18.23%, during the forecast period. The need to prevent unplanned outages, increasing demand for electric vehicles, and improved operational efficiency of batteries have boosted the demand for battery monitoring systems. In addition, increasing renewable power generation and the growing use of battery monitoring systems in data center applications would further aid the growth of this market. The high costs of battery monitoring systems for larger battery solutions would act as a restraint for the battery monitoring system market.

‘The hardware segment is expected to grow at the highest CAGR, from 2017 to 2022.’

The hardware segment is estimated to be the fastest-growing battery monitoring system market, by component, from 2017 to 2022. The growth of this segment can be attributed to simple installation, reduced need of cabling, and fast data sampling of components such as sensors, hub, and controllers. Asia Pacific and North America are the key markets for hardware due to the rising demand for monitoring the state of health and state of charge of batteries with the help of hardware components. All these factors are expected to drive the battery monitoring system market during the forecast period.

“The wired segment is expected to dominate the battery monitoring system market, from 2017 to 2022.”

The wired segment is estimated to be the larger market for battery monitoring systems in 2017. Wired systems are used in applications where there is more electrical interference such as data centers, which is expected to be the largest end-user segment of battery monitoring systems.

“North America: the largest market for battery monitoring systems.”

North America is expected to be the largest market for battery monitoring systems in 2017, followed by Asia Pacific and Europe. The market in North America is driven by rising electric vehicle sales, growing investments in data centers, and rising renewable power generation capacities in the region. It is projected to grow at the second-fastest rate during the forecast period. The US and Canada are estimated to be the largest markets for battery monitoring systems in the region. For instance, investments in data centers in the US was around US 18.2 million in 2017 which is double the amount invested in 2016. Canada’s new wind energy projects represented about USD 1.5 billion in 2016 and, by 2017, the country is expected to install approximately 700 MW of new wind energy capacity as stated by the Canadian Wind Energy Association (CanWEA). All these factors are expected to boost the growth of the battery monitoring system market in North America.

Breakdown of Primaries:

In-depth interviews have been conducted with various key industry participants, subject-matter experts, C-level executives of key market players, and industry consultants, among other experts, to obtain and verify critical qualitative and quantitative information, as well as to assess future market prospects. The distribution of primary interviews is as follows:

By Company Type: Tier 1- 10%, Tier 2- 40%, Tier 3- 50%

By Designation: C-Level- 10%, D-Level- 10%, Others- 80%

By Region: Asia Pacific- 60%, North America- 10%, Europe- 10%, Middle East & Africa- 10%, South America- 10%,

Note: The tier of the companies has been defined on the basis of their total revenue; as

of 2016: Tier 1 = USD 10 billion, Tier 2 = from USD 1 billion to USD 10 billion, and Tier 3 = USD 1 billion.

The leading players in the battery monitoring system market include NDSL (UK), Texas Instruments (US), PowerShield (New Zealand), BatteryDAQ (US), Canara (US), and Eagle Eye (US).

Research Coverage:

The report defines, describes, and forecasts the global battery monitoring system market by component, type, battery type, end-user, and region. It also offers a detailed qualitative and quantitative analysis of the market. The report provides a comprehensive review of the major market drivers, restraints, opportunities, and challenges. It also covers various important aspects of the market.

Why Buy this Report?

1. The report identifies and addresses the key markets for battery monitoring systems, which would help suppliers review the growth in demand for the product.
2. The report helps solutions providers understand the pulse of the market and provides insights into drivers, restraints, opportunities, and challenges.
3. The report will help key players understand the strategies of their competitors better and will help in making strategic decisions.

Contents

1 INTRODUCTION

- 1.1 OBJECTIVES OF THE STUDY
- 1.2 DEFINITION
- 1.3 MARKET SCOPE
 - 1.3.1 MARKET SEGMENTATION
 - 1.3.2 REGIONAL SCOPE
- 1.4 YEARS CONSIDERED FOR THE STUDY
- 1.5 CURRENCY
- 1.6 STAKEHOLDERS

2 RESEARCH METHODOLOGY

- 2.1 RESEARCH DATA
 - 2.1.1 SECONDARY DATA
 - 2.1.1.1 Key secondary sources
 - 2.1.2 PRIMARY DATA
 - 2.1.2.1 Key data from primary sources
 - 2.1.2.2 Key industry insights
 - 2.1.2.3 Breakdown of primaries
- 2.2 MARKET SIZE ESTIMATION
 - 2.2.1 BOTTOM-UP APPROACH
 - 2.2.2 TOP-DOWN APPROACH
- 2.3 MARKET BREAKDOWN & DATA TRIANGULATION
- 2.4 ASSUMPTIONS

3 EXECUTIVE SUMMARY

4 PREMIUM INSIGHTS

- 4.1 BATTERY MONITORING SYSTEM MARKET, BY COUNTRY
- 4.2 BATTERY MONITORING SYSTEM MARKET, BY COMPONENT
- 4.3 BATTERY MONITORING SYSTEM MARKET, BY TYPE
- 4.4 BATTERY MONITORING SYSTEM MARKET, BY BATTERY TYPE
- 4.5 BATTERY MONITORING SYSTEM MARKET, BY END-USER
- 4.6 NORTH AMERICA BATTERY MONITORING SYSTEM MARKET, BY COUNTRY AND BATTERY TYPE

5 MARKET OVERVIEW

5.1 INTRODUCTION

5.2 MARKET DYNAMICS

5.2.1 DRIVERS

5.2.1.1 Preventing unplanned outages

5.2.1.2 Increased operational efficiency of batteries

5.2.1.3 Rising demand for electric vehicles

5.2.2 RESTRAINTS

5.2.2.1 High cost of battery monitoring systems for larger battery solutions

5.2.3 OPPORTUNITIES

5.2.3.1 Rising demand for battery monitoring systems for datacenter applications

5.2.3.2 Increasing renewable power generation

5.2.4 CHALLENGES

5.2.4.1 Presence of a large number of local and regional players

6 BATTERY MONITORING SYSTEM MARKET, BY COMPONENT

6.1 INTRODUCTION

6.2 HARDWARE

6.3 SOFTWARE

7 BATTERY MONITORING SYSTEM MARKET, BY TYPE

7.1 INTRODUCTION

7.2 WIRED BATTERY MONITORING SYSTEM

7.3 WIRELESS BATTERY MONITORING SYSTEM

8 BATTERY MONITORING SYSTEM MARKET, BY BATTERY TYPE

8.1 INTRODUCTION

8.2 LITHIUM-ION BASED BATTERY

8.3 LEAD-ACID BATTERY

8.4 OTHERS

9 BATTERY MONITORING SYSTEM MARKET, BY END-USER

9.1 INTRODUCTION

9.2 TELECOMMUNICATIONS

9.3 ENERGY

9.4 AUTOMOTIVE

9.5 INDUSTRIES

9.6 OTHERS

10 BATTERY MONITORING SYSTEM MARKET, BY REGION

10.1 INTRODUCTION

10.2 NORTH AMERICA

10.2.1 BY COMPONENT

10.2.2 BY TYPE

10.2.3 BY BATTERY TYPE

10.2.4 BY END-USER

10.2.5 BY COUNTRY

10.2.5.1 US

10.2.5.2 Canada

10.2.5.3 Mexico

10.3 ASIA PACIFIC

10.3.1 BY COMPONENT

10.3.2 BY TYPE

10.3.3 BY BATTERY TYPE

10.3.4 BY END-USER

10.3.5 BY COUNTRY

10.3.5.1 China

10.3.5.2 Japan

10.3.5.3 India

10.3.5.4 South Korea

10.3.5.5 Rest of Asia Pacific

10.4 EUROPE

10.4.1 BY COMPONENT

10.4.2 BY TYPE

10.4.3 BY BATTERY TYPE

10.4.4 BY END-USER

10.4.5 BY COUNTRY

10.4.5.1 Germany

10.4.5.2 UK

10.4.5.3 France

10.4.5.4 Italy

10.4.5.5 Rest of Europe

10.5 MIDDLE EAST & AFRICA

10.5.1 BY COMPONENT

10.5.2 BY TYPE

10.5.3 BY BATTERY TYPE

10.5.4 BY END-USER

10.5.5 BY COUNTRY

10.5.5.1 South Africa

10.5.5.2 Saudi Arabia

10.5.5.3 Rest of the Middle East & Africa

10.6 SOUTH AMERICA

10.6.1 BY COMPONENT

10.6.2 BY TYPE

10.6.3 BY BATTERY TYPE

10.6.4 BY END-USER

10.6.5 BY COUNTRY

10.6.5.1 Brazil

10.6.5.2 Rest of South America

11 COMPETITIVE LANDSCAPE

11.1 OVERVIEW

11.2 RANKING OF PLAYERS ANALYSIS

11.3 COMPETITIVE SCENARIO

11.3.1 CONTRACTS & AGREEMENTS

11.3.2 NEW PRODUCT LAUNCHES

11.3.3 INVESTMENTS & EXPANSIONS

11.3.4 PARTNERSHIPS

12 COMPANY PROFILES

(Business Overview, Products Offered, Recent Developments, SWOT Analysis, MnM View)*

12.1 BENCHMARKING

12.2 NDSL

12.3 TEXAS INSTRUMENTS

12.4 POWERSHIELD

12.5 BATTERYDAQ

- 12.6 CANARA
- 12.7 EAGLE EYE
- 12.8 HBL
- 12.9 BTECH
- 12.10 SBS
- 12.11 SCHNEIDER ELECTRIC
- 12.12 ABB
- 12.13 SOCOMEC
- 12.14 CURTIS

*Details on Business Overview, Products Offered, Recent Developments, SWOT Analysis, MnM View might not be captured in case of unlisted companies.

13 APPENDIX

- 13.1 INSIGHTS OF INDUSTRY EXPERTS
- 13.2 DISCUSSION GUIDE
- 13.3 KNOWLEDGE STORE: MARKETSandMARKETS' SUBSCRIPTION PORTAL
- 13.4 INTRODUCING RT: REAL-TIME MARKET INTELLIGENCE
- 13.5 AVAILABLE CUSTOMIZATIONS
- 13.6 RELATED REPORTS
- 13.7 AUTHOR DETAILS

List Of Tables

LIST OF TABLES

Table 1 GLOBAL BATTERY MONITORING SYSTEM MARKET SNAPSHOT

Table 2 BATTERY MONITORING SYSTEM MARKET SIZE, BY COMPONENT,
2015–2022 (USD BILLION)

Table 3 HARDWARE: BATTERY MONITORING SYSTEM MARKET SIZE, BY REGION

I would like to order

Product name: Battery Monitoring System Market by Component (Hardware, Software), Type (Wired, Wireless), Battery Type (Lithium-Ion Based, Lead-Acid), End-User (Telecommunications, Automotive, Energy, Industries), and Region - Global Forecast to 2022

Product link: <https://marketpublishers.com/r/B612E090222EN.html>

Price: US\$ 5,650.00 (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/B612E090222EN.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