

# **Battery Technology Market by Lithium-ion Type (Lithium Cobalt Oxide, Li-Iron Phosphate), Lead-Acid Type (Flooded, Valve Regulated), Nickel Metal Hydride, Flow, Metal-Air, Nickel-Cadmium & Solid State Battery), Vertical, Region - Global Forecast to 2027**

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## **Abstracts**

The global battery technology market size is expected to grow from USD 95.7 billion in 2022 to USD 136.6 billion by 2027, at a CAGR of 7.4%. The key factors driving the growth of the battery technology market are surging demand for batteries from renewable energy industry and utility sector and rising development in smart electronic devices.

“Automotive segment to exhibit highest CAGR during the forecast period”

The automotive segment is expected to record the highest CAGR in the battery technology market. The growing environmental concerns and awareness about clean and sustainable fuel are fueling the adoption of EVs, resulting in high demand for battery technology. Lithium-ion batteries are the most suitable energy storage devices for powering electric vehicles due to their high energy density and long life.

“Asia Pacific is expected to capture the largest market growth rate during the forecast period”

The countries in Asia Pacific are moving toward green energy and therefore are focusing on developing an ecosystem to manufacture batteries in respective countries. The region has become an attractive automotive market, emerging as a hub for

automobile production in recent years. Recent infrastructure developments and industrialization activities in emerging countries have opened new avenues and opportunities for OEMs. The increasing purchasing power of the population has stimulated the demand for consumer electronics and automobiles, thereby generating demand for batteries.

Major players operating in the battery technology market include LG Chem (South Korea), Hitachi Ltd. (Japan), SAMSUNG SDI CO. LTD. (South Korea), GS Yuasa International Ltd. (Japan), EnerSys (US), Panasonic Holdings Corporation (Japan), and Contemporary Amperex Technology Co., Ltd. (China), among others.

#### Research Coverage:

The research report on the global battery technology market covers the market based on control technology, technology type, vertical, and region. Based on control technology, the market has been segmented into battery chargers, battery conditioners, and smart battery systems. Based on technology type, the market has been segmented into lead-acid batteries, lithium-ion batteries, nickel-metal hydride batteries, and others. Based on vertical, the market has been segmented into aerospace, automotive, commercial, consumer electronics, healthcare, industrial, marine, power and utility, residential, transportation, and others. The report covers four major regions, namely, North America, Europe, Asia Pacific (APAC), and Rest of the World (RoW).

#### Key Benefits of Buying the Report:

This report segments the battery technology market comprehensively and provides the closest approximations of the overall market size, as well as that of the subsegments across different control technology, technology type, vertical, and region.

The report helps stakeholders understand the pulse of the market, and expected market scenario and provides information on key market drivers, restraints, challenges, and opportunities.

## Contents

### 1 INTRODUCTION

#### 1.1 STUDY OBJECTIVES

#### 1.2 MARKET DEFINITION

##### 1.2.1 INCLUSIONS AND EXCLUSIONS

#### 1.3 STUDY SCOPE

##### 1.3.1 MARKETS COVERED

#### FIGURE 1 BATTERY TECHNOLOGY MARKET: SEGMENTATION

##### 1.3.2 REGIONAL SCOPE

##### 1.3.3 YEARS CONSIDERED

#### 1.4 CURRENCY CONSIDERED

#### 1.5 LIMITATIONS

#### 1.6 STAKEHOLDERS

#### 1.7 SUMMARY OF CHANGES

### 2 RESEARCH METHODOLOGY

#### 2.1 RESEARCH DATA

#### FIGURE 2 BATTERY TECHNOLOGY MARKET: RESEARCH DESIGN

##### 2.1.1 SECONDARY AND PRIMARY RESEARCH

##### 2.1.2 SECONDARY DATA

###### 2.1.2.1 Major secondary sources

###### 2.1.2.2 Key data from secondary sources

##### 2.1.3 PRIMARY DATA

###### 2.1.3.1 Primary interviews with experts

###### 2.1.3.2 Key data from primary sources

###### 2.1.3.3 Key industry insights

###### 2.1.3.4 Breakdown of primaries

#### 2.2 MARKET SIZE ESTIMATION

#### FIGURE 3 MARKET SIZE ESTIMATION METHODOLOGY (SUPPLY-SIDE):

#### REVENUE GENERATED THROUGH SALES OF

#### PRODUCTS/SOLUTIONS/SERVICES RELATED TO LITHIUM-ION BATTERIES

##### 2.2.1 BOTTOM-UP APPROACH

###### 2.2.1.1 Approach to derive market size using bottom-up analysis

#### FIGURE 4 MARKET SIZE ESTIMATION METHODOLOGY: BOTTOM-UP APPROACH

##### 2.2.2 TOP-DOWN APPROACH

###### 2.2.2.1 Approach to derive market size using top-down analysis

FIGURE 5 MARKET SIZE ESTIMATION METHODOLOGY: TOP-DOWN APPROACH

2.3 MARKET BREAKDOWN AND DATA TRIANGULATION

FIGURE 6 BATTERY TECHNOLOGY MARKET: DATA TRIANGULATION

2.4 RESEARCH ASSUMPTIONS

2.5 LIMITATIONS AND RISK ASSESSMENT

TABLE 1 LIMITATIONS AND RISKS

### **3 EXECUTIVE SUMMARY**

FIGURE 7 LITHIUM-ION BATTERY SEGMENT TO REGISTER HIGHEST CAGR, BY TECHNOLOGY TYPE, IN BATTERY TECHNOLOGY MARKET DURING FORECAST PERIOD

FIGURE 8 TRANSPORTATION SEGMENT TO ACCOUNT FOR LARGEST MARKET SHARE, BY VERTICAL, IN 2022

FIGURE 9 ASIA PACIFIC BATTERY TECHNOLOGY MARKET TO REGISTER HIGHEST CAGR DURING FORECAST PERIOD

### **4 PREMIUM INSIGHTS**

4.1 ATTRACTIVE OPPORTUNITIES FOR PLAYERS OPERATING IN BATTERY TECHNOLOGY MARKET

FIGURE 10 EXPANDING ASIA PACIFIC CONSUMER ELECTRONICS MARKET

4.2 BATTERY TECHNOLOGY MARKET, BY TECHNOLOGY TYPE

FIGURE 11 LEAD-ACID BATTERY SEGMENT TO HOLD LARGEST SHARE OF BATTERY TECHNOLOGY MARKET IN 2022

4.3 BATTERY TECHNOLOGY MARKET, BY TYPE

FIGURE 12 SOLID-STATE BATTERY SEGMENT TO REGISTER HIGHEST CAGR IN BATTERY TECHNOLOGY MARKET DURING FORECAST PERIOD

4.4 BATTERY TECHNOLOGY MARKET, BY VERTICAL

FIGURE 13 TRANSPORTATION SEGMENT TO DOMINATE BATTERY TECHNOLOGY MARKET IN 2022

4.5 BATTERY TECHNOLOGY MARKET, BY REGION

FIGURE 14 ASIA PACIFIC TO HOLD LARGEST SHARE OF BATTERY TECHNOLOGY MARKET BY 2027

### **5 MARKET OVERVIEW**

5.1 INTRODUCTION

5.2 MARKET DYNAMICS

## FIGURE 15 BATTERY TECHNOLOGY MARKET: DRIVERS, RESTRAINTS, OPPORTUNITIES, AND CHALLENGES

### 5.2.1 DRIVERS

5.2.1.1 Increasing demand for electric and hybrid electric vehicles

## FIGURE 16 GLOBAL ELECTRIC CAR SALES IN NET ZERO SCENARIO, 2020–2030

5.2.1.2 Growing adoption of battery technology in renewable energy industry

5.2.1.3 Rising demand for battery-operated material-handling equipment and automation in various industries

5.2.1.4 Increasing installation of batteries in utility sector

5.2.1.5 Increasing advancements in smart electronic devices

## FIGURE 17 BATTERY TECHNOLOGY MARKET: DRIVERS AND THEIR IMPACT

### 5.2.2 RESTRAINTS

5.2.2.1 Rising concern regarding storage and transportation of spent batteries

## FIGURE 18 BATTERY TECHNOLOGY MARKET: RESTRAINTS AND THEIR IMPACT

### 5.2.3 OPPORTUNITIES

5.2.3.1 Rising requirement for advanced batteries in data centers

5.2.3.2 Developments in wearable devices

5.2.3.3 Increasing research and development for advancements in batteries

## FIGURE 19 BATTERY TECHNOLOGY MARKET: OPPORTUNITIES AND THEIR IMPACT

### 5.2.4 CHALLENGES

5.2.4.1 High cost of battery-operated industrial vehicles

## FIGURE 20 BATTERY TECHNOLOGY MARKET: CHALLENGES AND THEIR IMPACTS

## 5.3 VALUE CHAIN ANALYSIS

## FIGURE 21 BATTERY TECHNOLOGY MARKET: VALUE CHAIN ANALYSIS

## 5.4 ECOSYSTEM ANALYSIS

## FIGURE 22 BATTERY TECHNOLOGY MARKET: ECOSYSTEM ANALYSIS

## TABLE 2 BATTERY TECHNOLOGY MARKET: ECOSYSTEM ANALYSIS

## 5.5 PRICING ANALYSIS

## FIGURE 23 AVERAGE BATTERY PACK PRICE (USD/KWH), 2011–2021

## FIGURE 24 BATTERY TECHNOLOGY: COST BREAKDOWN

## FIGURE 25 AVERAGE SELLING PRICE OF BATTERIES OFFERED BY THREE KEY PLAYERS, BY TECHNOLOGY TYPE

## TABLE 3 AVERAGE SELLING PRICE OF BATTERIES OFFERED BY THREE KEY PLAYERS, BY TECHNOLOGY TYPE (USD)

## 5.6 TRENDS/DISRUPTIONS IMPACTING CUSTOMERS' BUSINESSES

## FIGURE 26 TRENDS/DISRUPTIONS IMPACTING CUSTOMERS' BUSINESSES RELATED TO BATTERY TECHNOLOGY MARKET

## 5.7 TECHNOLOGY ANALYSIS

### 5.7.1 MULTI-VALENT BATTERIES

### 5.7.2 LITHIUM METAL BATTERIES

### 5.7.3 LITHIUM-SULFUR BATTERIES

### 5.7.4 SODIUM-SULFUR BATTERIES

### 5.7.5 COBALT-FREE BATTERIES

### 5.7.6 METAL-AIR BATTERIES

### 5.7.7 ZINC-AIR BATTERIES

### 5.7.8 LIQUID-METAL BATTERIES

### 5.7.9 POTASSIUM METAL BATTERIES

### 5.7.10 ZINC-MANGANESE BATTERIES

### 5.7.11 GOLD NANOWIRE GEL ELECTROLYTE BATTERIES

### 5.7.12 FUEL CELLS

#### 5.7.12.1 Proton exchange membrane fuel cells

#### 5.7.12.2 Alkaline fuel cells

#### 5.7.12.3 Phosphoric acid fuel cells

#### 5.7.12.4 Solid oxide fuel cells

#### 5.7.12.5 Molten carbonate fuel cells

#### 5.7.12.6 Direct methanol fuel cells

### 5.7.13 NUCLEAR BATTERIES

### 5.7.14 ULTRACAPACITORS

### 5.7.15 ALUMINUM-ION BATTERIES

## 5.8 PORTER'S FIVE FORCES ANALYSIS

### TABLE 4 BATTERY TECHNOLOGY MARKET: PORTER'S FIVE FORCES ANALYSIS (2021)

#### 5.8.1 BARGAINING POWER OF SUPPLIERS

#### 5.8.2 BARGAINING POWER OF BUYERS

#### 5.8.3 THREAT OF NEW ENTRANTS

#### 5.8.4 THREAT OF SUBSTITUTES

#### 5.8.5 INTENSITY OF COMPETITIVE RIVALRY

## 5.9 KEY STAKEHOLDERS AND BUYING CRITERIA

### 5.9.1 KEY STAKEHOLDERS IN BUYING PROCESS

#### FIGURE 27 INFLUENCE OF STAKEHOLDERS ON BUYING PROCESS FOR TOP THREE VERTICALS

#### TABLE 5 INFLUENCE OF STAKEHOLDERS ON BUYING PROCESS FOR TOP THREE VERTICALS (%)

### 5.9.2 BUYING CRITERIA

#### FIGURE 28 KEY BUYING CRITERIA FOR TOP THREE VERTICALS

#### TABLE 6 KEY BUYING CRITERIA FOR TOP 3 VERTICALS

## 5.10 CASE STUDY ANALYSIS

5.10.1 TESLA PROVIDED 150 MW/300 MWH LITHIUM-ION BATTERY STORAGE FACILITY FOR ENERGY GRID IN AUSTRALIA

5.10.2 NEXCHARGE AND TATA POWER DELHI DISTRIBUTION (TPDDL) COLLABORATED TO LAUNCH GRID-CONNECTED LITHIUM-ION BATTERY ENERGY STORAGE SYSTEM

5.10.3 INSTALLATION OF ADVANCED LEAD-ACID BATTERY IN SOLAR PV PLANT

5.10.4 DEVELOPMENT OF VANADIUM FLOW BATTERY BY INVINITY ENERGY SYSTEMS

## 5.11 TRADE ANALYSIS

FIGURE 29 IMPORT DATA FOR HS CODE 8506, BY KEY COUNTRY, 2017–2021 (USD MILLION)

FIGURE 30 EXPORT DATA FOR HS CODE 8506, BY KEY COUNTRY, 2017–2021 (USD MILLION)

## 5.12 PATENT ANALYSIS

FIGURE 31 TOP 10 COMPANIES WITH HIGHEST NUMBER OF PATENT APPLICATIONS DURING LAST 10 YEARS

FIGURE 32 NUMBER OF PATENTS GRANTED PER YEAR, 2011–2021

TABLE 7 TOP PATENT OWNERS IN LAST 10 YEARS

TABLE 8 TOP 20 PATENT OWNERS IN LAST 10 YEARS

## 5.13 KEY CONFERENCES AND EVENTS, 2022–2023

TABLE 9 BATTERY TECHNOLOGY MARKET: DETAILED LIST OF CONFERENCES AND EVENTS

## 5.14 TARIFF AND REGULATORY LANDSCAPE

5.14.1 REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

TABLE 10 NORTH AMERICA: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

TABLE 11 EUROPE: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

TABLE 12 ASIA PACIFIC: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

TABLE 13 ROW: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

5.14.2 REGULATION AND STANDARDS

TABLE 14 BATTERY TECHNOLOGY MARKET: REGULATIONS AND STANDARDS

## 6 BATTERY TECHNOLOGY MARKET, BY CONTROL TECHNOLOGY



## 6.1 INTRODUCTION

FIGURE 33 BATTERY TECHNOLOGY MARKET, BY CONTROL TECHNOLOGY

## 6.2 BATTERY CHARGERS

## 6.3 BATTERY CONDITIONERS

## 6.4 SMART BATTERY SYSTEMS

# 7 BATTERY TECHNOLOGY MARKET, BY TECHNOLOGY TYPE

## 7.1 INTRODUCTION

FIGURE 34 BATTERY TECHNOLOGY MARKET, BY TECHNOLOGY TYPE

FIGURE 35 BATTERY TECHNOLOGY MARKET, BY TECHNOLOGY TYPE

TABLE 15 BATTERY TECHNOLOGY MARKET, BY TECHNOLOGY TYPE, 2018–2021  
(USD MILLION)

TABLE 16 BATTERY TECHNOLOGY MARKET, BY TECHNOLOGY TYPE, 2022–2027  
(USD MILLION)

TABLE 17 OTHERS: BATTERY TECHNOLOGY MARKET, BY TECHNOLOGY TYPE,  
2018–2021 (USD MILLION)

TABLE 18 OTHERS: BATTERY TECHNOLOGY MARKET, BY TECHNOLOGY TYPE,  
2022–2027 (USD MILLION)

## 7.2 LITHIUM-ION BATTERY

7.2.1 INCREASING DEPLOYMENT OF LITHIUM-ION BATTERIES IN PORTABLE  
ELECTRONICS AND ELECTRIC VEHICLES

### 7.2.2 LITHIUM NICKEL MANGANESE COBALT

7.2.2.1 Growing use of lithium nickel manganese cobalt batteries in electric vehicles

### 7.2.3 LITHIUM IRON PHOSPHATE

7.2.3.1 Growing adoption of high-power devices

FIGURE 36 PERFORMANCE PARAMETERS OF LFP BATTERIES

### 7.2.4 LITHIUM COBALT OXIDE

7.2.4.1 Rising adoption of lithium cobalt oxide batteries in consumer electronics

### 7.2.5 LITHIUM TITANATE OXIDE

7.2.5.1 Increased use of lithium titanate oxide batteries in electric vehicles due to high  
performance under low temperatures

### 7.2.6 LITHIUM MANGANESE OXIDE

7.2.6.1 Rising applications of lithium manganese oxide batteries in power tools,  
medical instruments, and hybrid electric vehicles

### 7.2.7 LITHIUM NICKEL COBALT ALUMINUM OXIDE

7.2.7.1 Rising adoption of lithium nickel cobalt aluminum oxide batteries in high  
energy density applications

TABLE 19 LITHIUM-ION BATTERY: BATTERY TECHNOLOGY MARKET, BY TYPE,

*Battery Technology Market by Lithium-ion Type (Lithium Cobalt Oxide, Li-Iron Phosphate), Lead-Acid Type (Flood...*



2018–2021 (USD MILLION)

TABLE 20 LITHIUM-ION BATTERY: BATTERY TECHNOLOGY MARKET, BY TYPE, 2022–2027 (USD MILLION)

TABLE 21 LITHIUM-ION BATTERY: BATTERY TECHNOLOGY MARKET, BY CAPACITY, 2018–2021 (USD MILLION)

TABLE 22 LITHIUM-ION BATTERY: BATTERY TECHNOLOGY MARKET, BY CAPACITY, 2022–2027 (USD MILLION)

TABLE 23 LITHIUM-ION BATTERY: BATTERY TECHNOLOGY MARKET, BY VOLTAGE, 2018–2021 (USD MILLION)

TABLE 24 LITHIUM-ION BATTERY: BATTERY TECHNOLOGY MARKET, BY VOLTAGE, 2022–2027 (USD MILLION)

TABLE 25 LITHIUM-ION BATTERY: BATTERY TECHNOLOGY MARKET, BY VERTICAL, 2018–2021 (USD MILLION)

TABLE 26 LITHIUM-ION BATTERY: BATTERY TECHNOLOGY MARKET, BY VERTICAL, 2022–2027 (USD MILLION)

TABLE 27 LITHIUM-ION BATTERY: BATTERY TECHNOLOGY MARKET, BY REGION, 2018–2021 (USD MILLION)

TABLE 28 LITHIUM-ION BATTERY: BATTERY TECHNOLOGY MARKET, BY REGION, 2022–2027 (USD MILLION)

### 7.3 LEAD-ACID BATTERY

7.3.1 GROWING USE OF LEAD-ACID BATTERIES TO PROVIDE UNINTERRUPTED POWER SUPPLY

#### 7.3.2 FLOODED LEAD-ACID BATTERY

7.3.2.1 Increasing use of flooded lead-acid batteries in static applications

#### 7.3.3 VALVE-REGULATED LEAD-ACID BATTERY

7.3.3.1 Rising demand for valve-regulated lead-acid batteries in transportation vertical

TABLE 29 LEAD-ACID BATTERY: BATTERY TECHNOLOGY MARKET, BY CONSTRUCTION METHOD, 2018–2021 (USD MILLION)

TABLE 30 LEAD-ACID BATTERY: BATTERY TECHNOLOGY MARKET, BY CONSTRUCTION METHOD, 2022–2027 (USD MILLION)

TABLE 31 LEAD-ACID BATTERY: BATTERY TECHNOLOGY MARKET, BY TECHNOLOGY, 2018–2021 (USD MILLION)

TABLE 32 LEAD-ACID BATTERY: BATTERY TECHNOLOGY MARKET, BY TECHNOLOGY, 2022–2027 (USD MILLION)

TABLE 33 LEAD-ACID BATTERY: BATTERY TECHNOLOGY MARKET, BY VERTICAL, 2018–2021 (USD MILLION)

TABLE 34 LEAD-ACID BATTERY: BATTERY TECHNOLOGY MARKET, BY VERTICAL, 2022–2027 (USD MILLION)

TABLE 35 LEAD-ACID BATTERY: BATTERY TECHNOLOGY MARKET, BY REGION, 2018–2021 (USD MILLION)

TABLE 36 LEAD-ACID BATTERY: BATTERY TECHNOLOGY MARKET, BY REGION, 2022–2027 (USD MILLION)

#### 7.4 NICKEL-METAL HYDRIDE

7.4.1 RISING ADOPTION OF NICKEL-METAL HYDRIDE BATTERIES IN AUTOMOTIVE VERTICAL

TABLE 37 NICKEL-METAL HYDRIDE BATTERY: BATTERY TECHNOLOGY MARKET, BY VERTICAL, 2018–2021 (USD MILLION)

TABLE 38 NICKEL-METAL HYDRIDE BATTERY: BATTERY TECHNOLOGY MARKET, BY VERTICAL, 2022–2027 (USD MILLION)

TABLE 39 NICKEL-METAL HYDRIDE BATTERY: BATTERY TECHNOLOGY MARKET, BY REGION, 2018–2021 (USD MILLION)

TABLE 40 NICKEL-METAL HYDRIDE BATTERY: BATTERY TECHNOLOGY MARKET, BY REGION, 2022–2027 (USD MILLION)

#### 7.5 OTHERS

7.5.1 FLOW BATTERY

7.5.2 METAL-AIR BATTERY

7.5.3 NICKEL-CADMIUM BATTERY

7.5.4 SOLID-STATE BATTERY

TABLE 41 OTHERS: BATTERY TECHNOLOGY MARKET, BY VERTICAL, 2018–2021 (USD MILLION)

TABLE 42 OTHERS: BATTERY TECHNOLOGY MARKET, BY VERTICAL, 2022–2027 (USD MILLION)

TABLE 43 OTHERS: BATTERY TECHNOLOGY MARKET, BY REGION, 2018–2021 (USD MILLION)

TABLE 44 OTHERS: BATTERY TECHNOLOGY MARKET, BY REGION, 2022–2027 (USD MILLION)

TABLE 45 FLOW BATTERY: BATTERY TECHNOLOGY MARKET, BY TYPE, 2018–2021 (USD MILLION)

TABLE 46 FLOW BATTERY: BATTERY TECHNOLOGY MARKET, BY TYPE, 2022–2027 (USD MILLION)

TABLE 47 FLOW BATTERY: BATTERY TECHNOLOGY MARKET, BY MATERIAL, 2018–2021 (USD MILLION)

TABLE 48 FLOW BATTERY: BATTERY TECHNOLOGY MARKET, BY MATERIAL, 2022–2027 (USD MILLION)

TABLE 49 FLOW BATTERY: BATTERY TECHNOLOGY MARKET, BY STORAGE, 2018–2021 (USD MILLION)

TABLE 50 FLOW BATTERY: BATTERY TECHNOLOGY MARKET, BY STORAGE,

2022–2027 (USD MILLION)

TABLE 51 NICKEL-CADMIUM BATTERY: BATTERY TECHNOLOGY MARKET, BY TYPE, 2018–2021 (USD MILLION)

TABLE 52 NICKEL-CADMIUM BATTERY: BATTERY TECHNOLOGY MARKET, BY TYPE, 2022–2027 (USD MILLION)

TABLE 53 NICKEL-CADMIUM BATTERY: BATTERY TECHNOLOGY MARKET, BY BLOCK BATTERY CONSTRUCTION, 2018–2021 (USD MILLION)

TABLE 54 NICKEL-CADMIUM BATTERY: BATTERY TECHNOLOGY MARKET, BY BLOCK BATTERY CONSTRUCTION, 2022–2027 (USD MILLION)

TABLE 55 METAL-AIR BATTERY: BATTERY TECHNOLOGY MARKET, BY METAL, 2018–2021 (USD MILLION)

TABLE 56 METAL-AIR BATTERY: BATTERY TECHNOLOGY MARKET, BY METAL, 2022–2027 (USD MILLION)

TABLE 57 METAL-AIR BATTERY: BATTERY TECHNOLOGY MARKET, BY VOLTAGE, 2018–2021 (USD MILLION)

TABLE 58 METAL-AIR BATTERY: BATTERY TECHNOLOGY MARKET, BY VOLTAGE, 2022–2027 (USD MILLION)

TABLE 59 METAL-AIR BATTERY: BATTERY TECHNOLOGY MARKET, BY TYPE, 2018–2021 (USD MILLION)

TABLE 60 METAL-AIR BATTERY: BATTERY TECHNOLOGY MARKET, BY TYPE, 2022–2027 (USD MILLION)

TABLE 61 SOLID-STATE BATTERY: BATTERY TECHNOLOGY MARKET, BY COMPONENT, 2018–2021 (USD MILLION)

TABLE 62 SOLID-STATE BATTERY: BATTERY TECHNOLOGY MARKET, BY COMPONENT, 2022–2027 (USD MILLION)

TABLE 63 SOLID-STATE BATTERY: BATTERY TECHNOLOGY MARKET, BY TYPE, 2018–2021 (USD MILLION)

TABLE 64 SOLID-STATE BATTERY: BATTERY TECHNOLOGY MARKET, BY TYPE, 2022–2027 (USD MILLION)

TABLE 65 SOLID-STATE BATTERY: BATTERY TECHNOLOGY MARKET, BY CHARGEABILITY, 2018–2021 (USD MILLION)

TABLE 66 SOLID-STATE BATTERY: BATTERY TECHNOLOGY MARKET, BY CHARGEABILITY, 2022–2027 (USD MILLION)

TABLE 67 SOLID-STATE BATTERY: BATTERY TECHNOLOGY MARKET, BY CAPACITY, 2018–2021 (USD MILLION)

TABLE 68 SOLID-STATE BATTERY: BATTERY TECHNOLOGY MARKET, BY CAPACITY, 2022–2027 (USD MILLION)

## **8 BATTERY TECHNOLOGY MARKET, BY VERTICAL**

*Battery Technology Market by Lithium-ion Type (Lithium Cobalt Oxide, Li-Iron Phosphate), Lead-Acid Type (Flood...*

## 8.1 INTRODUCTION

FIGURE 37 BATTERY TECHNOLOGY MARKET, BY VERTICAL

FIGURE 38 AUTOMOTIVE SEGMENT TO REGISTER HIGHEST CAGR IN BATTERY TECHNOLOGY MARKET DURING FORECAST PERIOD

TABLE 69 BATTERY TECHNOLOGY MARKET, BY VERTICAL, 2018–2021 (USD MILLION)

TABLE 70 BATTERY TECHNOLOGY MARKET, BY VERTICAL, 2022–2027 (USD MILLION)

## 8.2 AEROSPACE

8.2.1 RISING DEMAND FOR BACKUP POWER SUPPLIES AND EMERGENCY LIGHTING SYSTEMS

TABLE 71 AEROSPACE: BATTERY TECHNOLOGY MARKET, BY TECHNOLOGY TYPE, 2018–2021 (USD MILLION)

TABLE 72 AEROSPACE: BATTERY TECHNOLOGY MARKET, BY TECHNOLOGY TYPE, 2022–2027 (USD MILLION)

## 8.3 AUTOMOTIVE

8.3.1 INCREASING DEMAND FOR ELECTRIC VEHICLES

TABLE 73 AUTOMOTIVE: BATTERY TECHNOLOGY MARKET, BY TECHNOLOGY TYPE, 2018–2021 (USD MILLION)

TABLE 74 AUTOMOTIVE: BATTERY TECHNOLOGY MARKET, BY TECHNOLOGY TYPE, 2022–2027 (USD MILLION)

## 8.4 COMMERCIAL

8.4.1 RISE IN ENERGY CONSUMPTION IN COMMERCIAL SECTOR

TABLE 75 COMMERCIAL: BATTERY TECHNOLOGY MARKET, BY TECHNOLOGY TYPE, 2018–2021 (USD MILLION)

TABLE 76 COMMERCIAL: BATTERY TECHNOLOGY MARKET, BY TECHNOLOGY TYPE, 2022–2027 (USD MILLION)

## 8.5 CONSUMER ELECTRONICS

8.5.1 GROWING ADOPTION OF LITHIUM-ION BATTERIES IN VARIOUS PORTABLE ELECTRONICS

TABLE 77 CONSUMER ELECTRONICS: BATTERY TECHNOLOGY MARKET, BY TECHNOLOGY TYPE, 2018–2021 (USD MILLION)

TABLE 78 CONSUMER ELECTRONICS: BATTERY TECHNOLOGY MARKET, BY TECHNOLOGY TYPE, 2022–2027 (USD MILLION)

## 8.6 HEALTHCARE

8.6.1 GROWING ADOPTION OF LI-ION AND NI-CD BATTERIES IN VARIOUS MEDICAL EQUIPMENT

TABLE 79 HEALTHCARE: BATTERY TECHNOLOGY MARKET, BY TECHNOLOGY

TYPE, 2018–2021 (USD MILLION)

TABLE 80 HEALTHCARE: BATTERY TECHNOLOGY MARKET, BY TECHNOLOGY TYPE, 2022–2027 (USD MILLION)

## 8.7 INDUSTRIAL

8.7.1 SURGING DEMAND FOR BACKUP POWER SOLUTIONS IN INDUSTRIAL SECTOR

TABLE 81 INDUSTRIAL: BATTERY TECHNOLOGY MARKET, BY TECHNOLOGY TYPE, 2018–2021 (USD MILLION)

TABLE 82 INDUSTRIAL: BATTERY TECHNOLOGY MARKET, BY TECHNOLOGY TYPE, 2022–2027 (USD MILLION)

## 8.8 MARINE

8.8.1 RISING ADOPTION OF WORKBOATS, FERRIES, OFFSHORE SUPPORT, CRUISE, AND CARGO SHIPS

TABLE 83 MARINE: BATTERY TECHNOLOGY MARKET, BY TECHNOLOGY TYPE, 2018–2021 (USD MILLION)

TABLE 84 MARINE: BATTERY TECHNOLOGY MARKET, BY TECHNOLOGY TYPE, 2022–2027 (USD MILLION)

## 8.9 POWER & UTILITY

8.9.1 GROWING USE OF RENEWABLE ENERGY

TABLE 85 POWER & UTILITY: BATTERY TECHNOLOGY MARKET, BY TECHNOLOGY TYPE, 2018–2021 (USD MILLION)

TABLE 86 POWER & UTILITY: BATTERY TECHNOLOGY MARKET, BY TECHNOLOGY TYPE, 2022–2027 (USD MILLION)

## 8.10 RESIDENTIAL

8.10.1 INCREASING ADOPTION OF BATTERIES AS EMERGENCY POWER SOURCES BY HOMEOWNERS

TABLE 87 RESIDENTIAL: BATTERY TECHNOLOGY MARKET, BY TECHNOLOGY TYPE, 2018–2021 (USD MILLION)

TABLE 88 RESIDENTIAL: BATTERY TECHNOLOGY MARKET, BY TECHNOLOGY TYPE, 2022–2027 (USD MILLION)

## 8.11 TRANSPORTATION

8.11.1 GROWING DEMAND FOR EFFICIENT AND COST-EFFECTIVE TRANSPORTATION

TABLE 89 TRANSPORTATION: BATTERY TECHNOLOGY MARKET, BY TECHNOLOGY TYPE, 2018–2021 (USD MILLION)

TABLE 90 TRANSPORTATION: BATTERY TECHNOLOGY MARKET, BY TECHNOLOGY TYPE, 2022–2027 (USD MILLION)

## 8.12 OTHERS

TABLE 91 OTHER VERTICALS: BATTERY TECHNOLOGY MARKET, BY

TECHNOLOGY TYPE, 2018–2021 (USD MILLION)

TABLE 92 OTHER VERTICALS: BATTERY TECHNOLOGY MARKET, BY  
TECHNOLOGY TYPE, 2022–2027 (USD MILLION)

## **9 BATTERY TECHNOLOGY MARKET, BY REGION**

### **9.1 INTRODUCTION**

FIGURE 39 BATTERY TECHNOLOGY MARKET, BY REGION

FIGURE 40 REGIONAL SNAPSHOT OF BATTERY TECHNOLOGY MARKET,  
2022–2027

TABLE 93 BATTERY TECHNOLOGY MARKET, BY REGION, 2018–2021 (USD  
MILLION)

TABLE 94 BATTERY TECHNOLOGY MARKET, BY REGION, 2022–2027 (USD  
MILLION)

### **9.2 NORTH AMERICA**

FIGURE 41 NORTH AMERICA: BATTERY TECHNOLOGY MARKET SNAPSHOT

FIGURE 42 US TO DOMINATE NORTH AMERICAN BATTERY TECHNOLOGY  
MARKET IN 2022

TABLE 95 NORTH AMERICA: BATTERY TECHNOLOGY MARKET, BY COUNTRY,  
2018–2021 (USD MILLION)

TABLE 96 NORTH AMERICA: BATTERY TECHNOLOGY MARKET, BY COUNTRY,  
2022–2027 (USD MILLION)

#### **9.2.1 US**

9.2.1.1 Rising adoption of batteries in automotive, transportation, and power & utility  
verticals

#### **9.2.2 CANADA**

9.2.2.1 Increasing investments in automotive vertical

#### **9.2.3 MEXICO**

9.2.3.1 Availability of low-cost labor, electricity, and necessary infrastructure

### **9.3 EUROPE**

FIGURE 43 EUROPE: BATTERY TECHNOLOGY MARKET SNAPSHOT

FIGURE 44 GERMANY TO DOMINATE EUROPEAN BATTERY TECHNOLOGY  
MARKET DURING FORECAST PERIOD

TABLE 97 EUROPE: BATTERY TECHNOLOGY MARKET, BY COUNTRY, 2018–2021  
(USD MILLION)

TABLE 98 EUROPE: BATTERY TECHNOLOGY MARKET, BY COUNTRY, 2022–2027  
(USD MILLION)

#### **9.3.1 UK**

9.3.1.1 Rising demand for electric vehicles

### 9.3.2 GERMANY

9.3.2.1 Rising demand for battery technology from electric vehicle (EV) manufacturers

### 9.3.3 FRANCE

9.3.3.1 Rising adoption of renewable energy sources

### 9.3.4 REST OF EUROPE

## 9.4 ASIA PACIFIC

FIGURE 45 ASIA PACIFIC: BATTERY TECHNOLOGY MARKET SNAPSHOT

FIGURE 46 INDIA TO REGISTER HIGHEST CAGR IN ASIA PACIFIC BATTERY TECHNOLOGY MARKET DURING FORECAST PERIOD

TABLE 99 ASIA PACIFIC: BATTERY TECHNOLOGY MARKET, BY COUNTRY, 2018–2021 (USD MILLION)

TABLE 100 ASIA PACIFIC: BATTERY TECHNOLOGY MARKET, BY COUNTRY, 2022–2027 (USD MILLION)

### 9.4.1 CHINA

9.4.1.1 Rising demand for batteries in various applications

### 9.4.2 JAPAN

9.4.2.1 Large presence of battery giants

### 9.4.3 INDIA

9.4.3.1 Expanding consumer electronics and automotive markets

### 9.4.4 REST OF ASIA PACIFIC

## 9.5 ROW

FIGURE 47 SOUTH AMERICA TO DOMINATE ROW BATTERY TECHNOLOGY MARKET IN 2022

TABLE 101 ROW: BATTERY TECHNOLOGY MARKET, BY REGION, 2018–2021 (USD MILLION)

TABLE 102 ROW: BATTERY TECHNOLOGY MARKET, BY REGION, 2022–2027 (USD MILLION)

### 9.5.1 SOUTH AMERICA

9.5.1.1 Rising adoption of batteries in electric vehicles

### 9.5.2 MIDDLE EAST & AFRICA

9.5.2.1 Growing adoption of renewable energy sources

## 10 COMPETITIVE LANDSCAPE

### 10.1 INTRODUCTION

TABLE 103 KEY DEVELOPMENTS IN BATTERY TECHNOLOGY MARKET (2019–2022)

### 10.2 REVENUE ANALYSIS OF TOP COMPANIES



**FIGURE 48 LITHIUM-ION BATTERY MARKET: REVENUE ANALYSIS (2021)****10.3 MARKET SHARE ANALYSIS OF TOP PLAYERS, 2021****TABLE 104 LITHIUM-ION BATTERY MARKET: DEGREE OF COMPETITION****10.4 COMPANY EVALUATION QUADRANT, 2021****10.4.1 STARS****10.4.2 EMERGING LEADERS****10.4.3 PERVASIVE PLAYERS****10.4.4 PARTICIPANTS****FIGURE 49 LITHIUM-ION BATTERY MARKET (GLOBAL): COMPANY EVALUATION QUADRANT, 2021****10.5 SMALL AND MEDIUM-SIZED ENTERPRISES (SMES) EVALUATION QUADRANT, 2021****10.5.1 PROGRESSIVE COMPANIES****10.5.2 RESPONSIVE COMPANIES****10.5.3 DYNAMIC COMPANIES****10.5.4 STARTING BLOCKS****FIGURE 50 LITHIUM-ION BATTERY MARKET (GLOBAL): SME EVALUATION QUADRANT, 2021****10.6 LITHIUM-ION BATTERY MARKET: COMPANY FOOTPRINT****TABLE 105 COMPANY PRODUCT FOOTPRINT****TABLE 106 COMPANY VERTICAL FOOTPRINT****TABLE 107 COMPANY REGIONAL FOOTPRINT****TABLE 108 COMPANY FOOTPRINT****10.7 COMPETITIVE BENCHMARKING****TABLE 109 LITHIUM-ION BATTERY MARKET: DETAILED LIST OF KEY STARTUPS/SMES****TABLE 110 LITHIUM-ION BATTERY MARKET: COMPETITIVE BENCHMARKING OF KEY STARTUPS/SMES****10.8 COMPETITIVE SCENARIOS AND TRENDS****10.8.1 PRODUCT LAUNCHES****TABLE 111 BATTERY TECHNOLOGY MARKET: PRODUCT LAUNCHES, SEPTEMBER 2019–JUNE 2022****10.8.2 DEALS****TABLE 112 BATTERY TECHNOLOGY MARKET: DEALS, MAY 2019–JUNE 2022****10.8.3 OTHERS****TABLE 113 BATTERY TECHNOLOGY MARKET: OTHERS, SEPTEMBER 2020–MAY 2022****11 COMPANY PROFILES**

(Business Overview, Products Offered, Recent Developments, MnM View Right to win, Strategic choices made, Weaknesses and competitive threats) \*

## 11.1 KEY PLAYERS

### 11.1.1 BAK POWER BATTERY CO., LTD.

TABLE 114 BAK POWER BATTERY CO., LTD.: COMPANY OVERVIEW

TABLE 115 BAK POWER BATTERY CO., LTD.: PRODUCT OFFERINGS

### 11.1.2 BYD COMPANY LTD.

TABLE 116 BYD COMPANY LTD.: COMPANY OVERVIEW

FIGURE 51 BYD COMPANY LTD.: COMPANY SNAPSHOT

TABLE 117 BYD COMPANY LTD.: PRODUCT OFFERINGS

### 11.1.3 CHAOWEI POWER HOLDINGS LIMITED

TABLE 118 CHAOWEI POWER HOLDINGS LIMITED: COMPANY OVERVIEW

FIGURE 52 CHAOWEI POWER HOLDINGS LIMITED: COMPANY SNAPSHOT

TABLE 119 CHAOWEI POWER HOLDINGS LIMITED: PRODUCT OFFERINGS

### 11.1.4 CLARIOS

TABLE 120 CLARIOS: COMPANY OVERVIEW

TABLE 121 CLARIOS: PRODUCT OFFERINGS

### 11.1.5 CONTEMPORARY AMPEREX TECHNOLOGY CO., LTD.

TABLE 122 CONTEMPORARY AMPEREX TECHNOLOGY CO., LTD.: COMPANY OVERVIEW

FIGURE 53 CONTEMPORARY AMPEREX TECHNOLOGY CO., LTD.: COMPANY SNAPSHOT

TABLE 123 CONTEMPORARY AMPEREX TECHNOLOGY CO., LTD.: PRODUCT OFFERINGS

### 11.1.6 ENERSYS

TABLE 124 ENERSYS: COMPANY OVERVIEW

FIGURE 54 ENERSYS: COMPANY SNAPSHOT

TABLE 125 ENERSYS: PRODUCT OFFERINGS

### 11.1.7 GS YUASA INTERNATIONAL LTD.

TABLE 126 GS YUASA INTERNATIONAL LTD.: COMPANY OVERVIEW

FIGURE 55 GS YUASA INTERNATIONAL LTD.: COMPANY SNAPSHOT

TABLE 127 GS YUASA INTERNATIONAL LTD.: PRODUCT OFFERINGS

### 11.1.8 HITACHI LTD.

TABLE 128 HITACHI LTD.: COMPANY OVERVIEW

FIGURE 56 HITACHI LTD.: COMPANY SNAPSHOT

TABLE 129 HITACHI LTD.: PRODUCT OFFERINGS

### 11.1.9 LG CHEM

TABLE 130 LG CHEM: COMPANY OVERVIEW

FIGURE 57 LG CHEM: COMPANY SNAPSHOT

TABLE 131 LG CHEM: PRODUCT OFFERINGS

11.1.10 PANASONIC HOLDINGS CORPORATION

TABLE 132 PANASONIC HOLDINGS CORPORATION: COMPANY OVERVIEW

FIGURE 58 PANASONIC HOLDINGS CORPORATION: COMPANY SNAPSHOT

TABLE 133 PANASONIC HOLDINGS CORPORATION: PRODUCT OFFERINGS

11.1.11 POWER SONIC CORPORATION

TABLE 134 POWER SONIC CORPORATION: COMPANY OVERVIEW

TABLE 135 POWER SONIC CORPORATION.: PRODUCT OFFERINGS

11.1.12 SAMSUNG SDI CO. LTD.

TABLE 136 SAMSUNG SDI CO. LTD.: COMPANY OVERVIEW

FIGURE 59 SAMSUNG SDI CO. LTD.: COMPANY SNAPSHOT

TABLE 137 SAMSUNG SDI CO. LTD.: PRODUCT OFFERINGS

11.1.13 TOSHIBA CORPORATION

TABLE 138 TOSHIBA CORPORATION: COMPANY OVERVIEW

FIGURE 60 TOSHIBA CORPORATION: COMPANY SNAPSHOT

TABLE 139 TOSHIBA CORPORATION: PRODUCT OFFERINGS

11.1.14 TESLA, INC.

TABLE 140 TESLA, INC.: COMPANY OVERVIEW

FIGURE 61 TESLA, INC.: COMPANY SNAPSHOT

TABLE 141 TESLA, INC.: PRODUCT OFFERINGS

11.1.15 HBL POWER SYSTEMS LIMITED

TABLE 142 HBL POWER SYSTEMS LIMITED: COMPANY OVERVIEW

FIGURE 62 HBL POWER SYSTEMS LIMITED: COMPANY SNAPSHOT

TABLE 143 HBL POWER SYSTEMS LIMITED: PRODUCT OFFERINGS

11.2 OTHER PLAYERS

11.2.1 AMPEREX TECHNOLOGY LIMITED

11.2.2 DURACELL

11.2.3 EAST PENN MANUFACTURING

11.2.4 ENERDEL, INC.

11.2.5 ENERGIZER HOLDINGS

11.2.6 EXIDE INDUSTRIES

11.2.7 EXIDE TECHNOLOGIES

11.2.8 LITHIUMWERKS

11.2.9 SAFT

11.2.10 VARTA AG

\*Details on Business Overview, Products Offered, Recent Developments, MnM View, Right to win, Strategic choices made, Weaknesses and competitive threats might not be captured in case of unlisted companies.

## 12 ADJACENT AND RELATED MARKETS

### 12.1 INTRODUCTION

### 12.2 LIMITATIONS

### 12.3 BATTERY ENERGY STORAGE SYSTEM MARKET, BY ENERGY CAPACITY

#### 12.4 INTRODUCTION

TABLE 144 BATTERY ENERGY STORAGE SYSTEM MARKET, BY ENERGY CAPACITY, 2018–2021 (USD MILLION)

TABLE 145 BATTERY ENERGY STORAGE SYSTEM MARKET, BY ENERGY CAPACITY, 2022–2027 (USD MILLION)

#### 12.5 BELOW 100 MWH

12.5.1 GROWING DEMAND FOR BATTERY ENERGY STORAGE SYSTEMS WITH LOW ENERGY CAPACITY IN RESIDENTIAL APPLICATIONS

TABLE 146 BELOW 100 MWH ENERGY CAPACITY: BATTERY ENERGY STORAGE SYSTEM MARKET, BY BATTERY TYPE, 2018–2021 (USD MILLION)

TABLE 147 BELOW 100 MWH ENERGY CAPACITY: BATTERY ENERGY STORAGE SYSTEM MARKET, BY BATTERY TYPE, 2022–2027 (USD MILLION)

TABLE 148 BELOW 100 MWH ENERGY CAPACITY: BATTERY ENERGY STORAGE SYSTEM MARKET, BY CONNECTION TYPE, 2018–2021 (USD MILLION)

TABLE 149 BELOW 100 MWH ENERGY CAPACITY: BATTERY ENERGY STORAGE SYSTEM MARKET, BY CONNECTION TYPE, 2022–2027 (USD MILLION)

TABLE 150 BELOW 100 MWH ENERGY CAPACITY: BATTERY ENERGY STORAGE SYSTEM MARKET, BY APPLICATION, 2018–2021 (USD MILLION)

TABLE 151 BELOW 100 MWH ENERGY CAPACITY: BATTERY ENERGY STORAGE SYSTEM MARKET, BY APPLICATION, 2022–2027 (USD MILLION)

#### 12.6 BETWEEN 100 AND 500 MWH

12.6.1 TO MANAGE HIGH VARIABILITY AND UNCERTAINTY IN POWER SYSTEMS, BATTERIES OF ENERGY CAPACITY BETWEEN 100 AND 500 MWH HAVE INCREASED NEED FOR FREQUENCY CONTROL SERVICES

TABLE 152 BETWEEN 100 MWH AND 500 MWH ENERGY CAPACITY: BATTERY ENERGY STORAGE SYSTEM MARKET, BY BATTERY TYPE, 2018–2021 (USD MILLION)

TABLE 153 BETWEEN 100 MWH AND 500 MWH ENERGY CAPACITY: BATTERY ENERGY STORAGE SYSTEM MARKET, BY BATTERY TYPE, 2022–2027 (USD MILLION)

TABLE 154 BETWEEN 100 MWH AND 500 MWH ENERGY CAPACITY: BATTERY ENERGY STORAGE SYSTEM MARKET, BY CONNECTION TYPE, 2018–2021 (USD MILLION)

TABLE 155 BETWEEN 100 MWH AND 500 MWH ENERGY CAPACITY: BATTERY ENERGY STORAGE SYSTEM MARKET, BY CONNECTION TYPE, 2022–2027 (USD MILLION)

TABLE 156 BETWEEN 100 MWH AND 500 MWH ENERGY CAPACITY: BATTERY ENERGY STORAGE SYSTEM MARKET, BY APPLICATION, 2018–2021 (USD MILLION)

TABLE 157 BETWEEN 100 MWH AND 500 MWH ENERGY CAPACITY: BATTERY ENERGY STORAGE SYSTEM MARKET, BY APPLICATION, 2022–2027 (USD MILLION)

## 12.7 ABOVE 500 MWH

12.7.1 LARGE-SCALE BATTERY STORAGE SYSTEMS HELP CONTINUITY OF POWER DISTRIBUTION IN LARGE GRIDS

TABLE 158 ABOVE 500 MWH ENERGY CAPACITY: BATTERY ENERGY STORAGE SYSTEM MARKET, BY BATTERY TYPE, 2018–2021 (USD MILLION)

TABLE 159 ABOVE 500 MWH ENERGY CAPACITY: BATTERY ENERGY STORAGE SYSTEM MARKET, BY BATTERY TYPE, 2022–2027 (USD MILLION)

TABLE 160 ABOVE 500 MWH ENERGY CAPACITY: BATTERY ENERGY STORAGE SYSTEM MARKET, BY CONNECTION TYPE, 2018–2021 (USD MILLION)

TABLE 161 ABOVE 500 MWH ENERGY CAPACITY: BATTERY ENERGY STORAGE SYSTEM MARKET, BY CONNECTION TYPE, 2022–2027 (USD MILLION)

TABLE 162 ABOVE 500 MWH ENERGY CAPACITY: BATTERY ENERGY STORAGE SYSTEM MARKET, BY APPLICATION, 2018–2021 (USD MILLION)

TABLE 163 ABOVE 500 MWH ENERGY CAPACITY: BATTERY ENERGY STORAGE SYSTEM MARKET, BY APPLICATION, 2022–2027 (USD MILLION)

## 13 APPENDIX

13.1 INSIGHTS OF INDUSTRY EXPERTS

13.2 DISCUSSION GUIDE

13.3 KNOWLEDGESTORE: MARKETSANDMARKETS' SUBSCRIPTION PORTAL

13.4 CUSTOMIZATION OPTIONS

13.5 RELATED REPORTS

13.6 AUTHOR DETAILS

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