

Report Information

More information from: <https://www.marketresearchfuture.com/reports/portable-battery-market-941>

Portable Battery Market Research Report- Forecast to 2027

Report / Search Code: MRFR/SEM/0435-HCR

Publish Date: January, 2023

[Request Sample](#)

Price	1-user PDF : \$ 4950.0	Enterprise PDF : \$ 7250.0
-------	------------------------	----------------------------

Description:

Portable Battery Market Overview

According to the latest research report, the Portable Battery Market size is predicted to reach USD 18 billion, growing at a CAGR of 14% during the forecast period. A portable battery is a gadget that can be carried in one's hand and is small in size; its designs may be customized to meet the needs of the client. The portable battery market demand is expanding in tandem with the advancement of technology goods. Mobile phones, wireless gadgets, and other charger electronic devices must be recharged on a regular basis, which has emerged as a critical element driving the development of the portable battery market in recent years. Portable batteries are widely utilized in a variety of home applications, including calculators, torches, clocks, and timepieces, amongst other things. Additionally, the increase in demand for mobile phones and tablets is boosting the usage of portable batteries, which has distinguished them as a distinct product category within the consumer electronics industry.

Portable batteries are applicable to a broad variety of forms, chemistries, sizes, and uses, as well as different sizes and shapes. When it comes to batteries, lithium-ion technology allows for more processing power while also making them thinner and smaller in size. With the downsizing of consumer devices such as tablets, laptops, and mobile phones, the development of battery technology has been closely linked to of consumer electronics. Because Li-ion batteries have a higher efficiency than conventional battery technologies such as Ni-Cd and nickel-metal hydride, they are more energy-dense than other types of batteries. The portable chargers have been constructed in such a manner that they may be taken apart with relative ease. Heavy metals such as mercury, cadmium, and lead are also present in low concentrations, which is in accordance with regulatory guidelines due to the negative impact heavy metals have on the ecosystem.

This report contains all the information on the portable battery market strengths. The report also contains the culmination of dynamics, segmentation, key players, regional analysis, and other important factors. And a detailed analysis of the portable battery market analysis and forecast for 2023 is also included in the report.

Portable Battery Market Covid 19 Analysis

The smartphone industry has seen some manufacturing delays as well as significant changes in use habits as a result of the worldwide shutdown, which has affected customer demand. China, which is one of the world's biggest manufacturers and exporters of electrical devices, has been hit hard by the supply and shipping interruption. Disruptions in the supply chain and customer demand have also been a problem for the industry in recent years.

Portable Battery Market Dynamics

• Drivers

Among the most important growth factors for the portable battery market growth are the increasing usage of cell devices and the rising demand for electronic gadgets, among other things. Rayo Mini projectors are now being distributed by Canon in India. The Rayo i5 and Rayo R4 printers from Canon are small, lightweight, and portable. The Rayo i5 has a 1900 mAh battery that can last up to 120 minutes, while the R4 has a 1700 mAh battery that can last up to 150 minutes, depending on use. In a similar vein, Honda Motor Company, Ltd. has formed a collaboration with Panasonic to create a detachable and portable lithium-ion battery that can be utilized in a variety of applications such as automobiles, motorbikes, robotics, and other devices.

• Opportunities

Some innovative techniques have evolved that will allow for the development of the next portable battery-operated Internet of Things devices which is ultimately creating opportunities for the major key players in the Portable Battery Market. Medical and consumer goods, such as hearing aids, wearables, and diagnostic monitoring patches, that need portable batteries and are quite popular include hearing aids, fitness bands, and diagnosis monitoring patches. It is necessary for the plastic and metal used in the manufacture of portable batteries to meet the requirements for chlorinated plastic, fire resistance, and the kind of metal used in the manufacture of portable batteries powered product

• Restraints

Inhibitors to the development of the portable battery market include factors such as fire hazards, increased price, and electrolyte leaked from the batteries themselves.

- **Challenges**

In the future years, governments may implement more strict rules on the disposal of trash produced by electronics, which may create challenges for the overall development of the portable battery industry. Long-term, this, along with the advent of new products in the smart electronics sector, may cause a reduction in the size of the portable battery market.

- **Cumulative Growth Analysis**

Portable batteries are widely used in a wide range of applications, including electric cars, backup power for telecommunications cell towers and data centers, as well as to run forklifts and other heavy equipment, amongst others. Furthermore, the growing popularity of mobile phones and tablets is encouraging the use of flexible batteries, which have distinguished them as standouts in the consumer electronics category. The capacity of a rechargeable battery is often measured in milliamperes per hour (mAh). In order to categorize batteries according to their capacity, they are split into many categories such as 5000mAh, 10000mAh, and so on.

- **Value Chain Analysis**

According to the reports, the portable battery market may be divided into technology, capacity types, application, and region. Lithium-ion batteries, lithium-polymer batteries, nickel-cadmium batteries, and nickel-metal hydride batteries are the four technologies that are segmented. Capacity types are divided into four categories: 000-2500 mAh, 2600-5000 mAh, 5100-10400 mAh, and over 10400 mAh. Segmentation based on application: smartphones, tablets, media devices, and portable and wearable accessories are some examples.

Segmentation Overview

The Portable Battery Market is segmented on the basis of technology, capacity types, application, and region. The portable battery market is expected to witness decent growth during the forecast period.

- **By Application**

Based on the application, the Portable Battery Market is segmented into smartphones, tablets, media devices, and portable and wearable accessories.

- **By Capacity Type**

Based on the propulsion types, the Portable Battery Market is segmented into 000-2500 mAh, 2600-5000 mAh, 5100-10400 mAh, and over 10400 mAh.

Regional Analysis

During the projected period from 2018 to 2023, the Portable Battery Market is expected to expand at a considerable pace, according to analysts. The portable battery market is being researched in terms of geography in North America, Europe, Asia-Pacific, and the rest of the globe, among other regions. Because of the high use of cell devices and other mobile accessories in Asia-Pacific, the region dominates the worldwide highest portable battery market share. The developing economies in the area, such as India, Vietnam, Myanmar, and China, are stepping up their efforts to extend and upgrade their wireless device services infrastructures and infrastructure. Further, it is anticipated that Thailand, Singapore, and the Philippines would all contribute to the regional Portable Battery Market growth throughout the projected period. Countries such as Japan, Malaysia, and Australia are expanding their efforts to develop novel battery designs, and they are anticipated to play a significant part in the development of the Asia-Pacific battery market.

Due to the growing Portable Battery Market for high power impacts in this area, North America is projected to have significant growth over the forecast period. This is expected to positively impact the development of the worldwide portable battery industry.

Competitive landscape

A variety of tactics, including product launches, research, improvements in portable battery speed and torque, and other initiatives, are being implemented by the leading players in order to retain their market positions. Samsung SDI and Toshiba are concentrating their research and development efforts on lithium-ion battery technology. For the LiFePO₄ battery, A123 Systems created a phosphate lithium-ion battery technology called LiFePO₄ that has a high energy density while also extending the battery's life cycle.

Major Key Players

- Sony Corporation (Japan)
- Acer Inc. (Taiwan)
- Alcatel-Lucent S.A. (France)
- Dell Inc. (US)
- Siemens AG (Germany)
- Nikon Corporation (Japan)
- Advanced Battery Systems Inc. (US)
- Sharp Electronics Corporation (Japan)

- Casio Computer Co.Ltd. (Japan)
- Seiko Holdings Corporation (Japan)

Report Overview

The following report comprises of –

- Market overview
- Covid 19 Analysis
- Market Dynamic
- Drivers
- Opportunities
- Restraints
- Challenges
- Cumulative Growth Analysis
- Value Chain Analysis
- Segmentation Overview
- By Application
- By End-Users
- Regional Analysis
- Competitive landscape

Recent Developments

August 2020, the Blad X Pro, a tablet with a 15.6-inch screen and a 3000 mAh battery, was released to positive reviews. The new Blad X Pro, which is the successor to the Gemini, which was released earlier this year, is certain to be an excellent partner for the new MacBook Pro.

Key Market Segments

By Technology

- Lead Acid
- Nickel Metal Hydride
- Lithium Ion Polymer
- Nickel Cadmium
- Others (Phosphate Li-ion)

By Battery Capacity Range

- 0-3000mAh
- 3000-5000mAh
- 5100-10000mAh
- Others (Range more than 10,000mAh)

By Application

- Smartphones
- Tablets
- Automotive Applications
- Others (Power Fork Lifts and Telecom Base Stations)

By Region

- North America
- Europe

- Asia-Pacific
- LAMEA

Table of Content:

Contents	
TABLE OF CONTENTS	
1 Executive Summary	
2 Scope of the Report	
2.1 Market Definition	
2.2 Scope of the Study	
2.2.1 Research Objectives	
2.2.2 Assumptions & Limitations	
2.3 Markets Structure	
3 Market Research Methodology	
3.1 Research Process	
3.2 Secondary Research	
3.3 Primary Research	
3.4 Forecast Model	
4 Market Landscape	
4.1 Porter's Five Forces Analysis	
4.1.1 Threat of New Entrants	
4.1.2 Bargaining power of buyers	
4.1.3 Threat of substitutes	
4.1.4 Rivalry	
4.1.5 Bargaining Power of Suppliers	
4.2 Value Chain/Supply Chain of Portable Battery Market	
5 Market Overview of Portable Battery Market	
5.1 Introduction	
5.2 Growth Drivers	
5.3 Impact Analysis	
5.4 Market Challenges	
6 Market Trends	
6.1 Introduction	
6.2 Growth Trends	
6.3 Impact analysis	
7. Portable Battery Market, by Technology	
7.1 Introduction	
7.2 Lithium-Ion Battery	
7.2.1 Market Estimates & Forecast, 2020–2027	
7.2.2 Market Estimates & Forecast, by Region, 2020–2027	
7.3 Lithium-Polymer Battery	
7.3.1 Market Estimates & Forecast, 2020–2027	
7.3.2 Market Estimates & Forecast, by Region, 2020–2027	
7.4 Nickel-Cadmium Battery	
7.4.1 Market Estimates & Forecast, 2020–2027	
7.4.2 Market Estimates & Forecast, by Region, 2020–2027	
7.5 Nickel-Metal Hydride Battery	
7.5.1 Market Estimates & Forecast, 2020–2027	
7.5.2 Market Estimates & Forecast, by Region, 2020–2027	
8. Portable Battery Market, by Capacity Type	
8.1 Introduction	
8.2 000-2500 mAh	
8.2.1 Market Estimates & Forecast, 2020–2027	
8.2.2 Market Estimates & Forecast, by Region, 2020–2027	
8.3 2600-5000 mAh	
8.3.1 Market Estimates & Forecast, 2020–2027	
8.3.2 Market Estimates & Forecast, by Region, 2020–2027	
8.4 5100-10400 mAh	
8.4.1 Market Estimates & Forecast, 2020–2027	
8.4.2 Market Estimates & Forecast, by Region, 2020–2027	
8.5 above 10400 mAh	
8.5.1 Market Estimates & Forecast, 2020–2027	
8.5.2 Market Estimates & Forecast, by Region, 2020–2027	
9. Portable Battery Market, by Applications	
9.1 Introduction	
9.2 Smartphones	
9.2.1 Market Estimates & Forecast, 2020–2027	
9.2.2 Market Estimates & Forecast, by Region, 2020–2027	
9.3 Tablets	
9.3.1 Market Estimates & Forecast, 2020–2027	
9.3.2 Market Estimates & Forecast, by Region, 2020–2027	
9.4 Media Devices	
9.4.1 Market Estimates & Forecast, 2020–2027	
9.4.2 Market Estimates & Forecast, by Region, 2020–2027	
9.5 Portable Wearable Accessories	
9.5.1 Market Estimates & Forecast, 2020–2027	
9.5.2 Market Estimates & Forecast, by Region, 2020–2027	
10. Portable Battery Market, by Region	
10.1 Introduction	
10.2 North America	
10.2.1 Market Estimates & Forecast, 2020–2027	
10.2.2 Market Estimates & Forecast, by Technology, 2020–2027	
10.2.3 Market Estimates & Forecast, by Capacity Type, 2020–2027	
10.2.4 Market Estimates & Forecast, by Applications, 2020–2027	
10.2.5 US	
10.2.5.1 Market Estimates & Forecast, 2020–2027	
10.2.5.2 Market Estimates & Forecast, by Technology, 2020–2027	
10.2.5.3 Market Estimates & Forecast, by Capacity Type, 2020–2027	
10.2.5.4 Market Estimates & Forecast, by Applications, 2020–2027	
10.2.6 Mexico	
10.2.6.1 Market Estimates & Forecast, 2020–2027	

- 10.2.6.5 Market Estimates & Forecast, by Technology, 2020–2027
- 10.2.6.3 Market Estimates & Forecast, by Capacity Type, 2020–2027
- 10.2.6.4 Market Estimates & Forecast, by Applications, 2020–2027
- 10.2.7 Canada
 - 10.2.7.1 Market Estimates & Forecast, 2020–2027
 - 10.2.7.2 Market Estimates & Forecast, by Technology, 2020–2027
 - 10.2.7.3 Market Estimates & Forecast, by Capacity Type, 2020–2027
 - 10.2.7.4 Market Estimates & Forecast, by Applications, 2020–2027
- 10.3 Europe
 - 10.3.1 Market Estimates & Forecast, 2020–2027
 - 10.3.2 Market Estimates & Forecast, by Technology, 2020–2027
 - 10.3.3 Market Estimates & Forecast, by Capacity Type, 2020–2027
 - 10.3.4 Market Estimates & Forecast, by Applications, 2020–2027
 - 10.3.5 Germany
 - 10.3.5.1 Market Estimates & Forecast, 2020–2027
 - 10.3.5.2 Market Estimates & Forecast, by Technology, 2020–2027
 - 10.3.5.3 Market Estimates & Forecast, by Capacity Type, 2020–2027
 - 10.3.5.4 Market Estimates & Forecast, by Applications, 2020–2027
 - 10.3.6 France
 - 10.3.6.1 Market Estimates & Forecast, 2020–2027
 - 10.3.6.5 Market Estimates & Forecast, by Technology, 2020–2027
 - 10.3.6.3 Market Estimates & Forecast, by Capacity Type, 2020–2027
 - 10.3.6.4 Market Estimates & Forecast, by Applications, 2020–2027
 - 10.3.7 UK
 - 10.3.7.1 Market Estimates & Forecast, 2020–2027
 - 10.3.7.2 Market Estimates & Forecast, by Technology, 2020–2027
 - 10.3.7.3 Market Estimates & Forecast, by Capacity Type, 2020–2027
 - 10.3.7.4 Market Estimates & Forecast, by Applications, 2020–2027
- 10.4 Asia-Pacific
 - 10.4.1 Market Estimates & Forecast, 2020–2027
 - 10.4.2 Market Estimates & Forecast, by Technology, 2020–2027
 - 10.4.3 Market Estimates & Forecast, by Capacity Type, 2020–2027
 - 10.4.4 Market Estimates & Forecast, by Applications, 2020–2027
 - 10.4.5 China
 - 10.4.5.1 Market Estimates & Forecast, 2020–2027
 - 10.4.5.2 Market Estimates & Forecast, by Technology, 2020–2027
 - 10.4.5.3 Market Estimates & Forecast, by Capacity Type, 2020–2027
 - 10.4.5.4 Market Estimates & Forecast, by Applications, 2020–2027
 - 10.4.6 India
 - 10.4.6.1 Market Estimates & Forecast, 2020–2027
 - 10.4.6.5 Market Estimates & Forecast, by Technology, 2020–2027
 - 10.4.6.3 Market Estimates & Forecast, by Capacity Type, 2020–2027
 - 10.4.6.4 Market Estimates & Forecast, by Applications, 2020–2027
 - 10.4.7 Japan
 - 10.4.7.1 Market Estimates & Forecast, 2020–2027
 - 10.4.7.2 Market Estimates & Forecast, by Technology, 2020–2027
 - 10.4.7.3 Market Estimates & Forecast, by Capacity Type, 2020–2027
 - 10.4.7.4 Market Estimates & Forecast, by Applications, 2020–2027
 - 10.4.8 Rest of Asia-Pacific
 - 10.4.8.1 Market Estimates & Forecast, 2020–2027
 - 10.4.8.2 Market Estimates & Forecast, by Technology, 2020–2027
 - 10.4.8.3 Market Estimates & Forecast, by Capacity Type, 2020–2027
 - 10.4.8.4 Market Estimates & Forecast, by Applications, 2020–2027
- 10.5 Rest of the World
 - 10.5.1 Market Estimates & Forecast, 2020–2027
 - 10.5.2 Market Estimates & Forecast, by Technology, 2020–2027
 - 10.5.3 Market Estimates & Forecast, by Capacity Type, 2020–2027
 - 10.5.4 Market Estimates & Forecast, by Applications, 2020–2027
 - 10.5.6 Middle East & Africa
 - 10.5.6.1 Market Estimates & Forecast, 2020–2027
 - 10.5.6.2 Market Estimates & Forecast, by Technology, 2020–2027
 - 10.5.6.3 Market Estimates & Forecast, by Capacity Type, 2020–2027
 - 10.5.6.4 Market Estimates & Forecast, by Applications, 2020–2027
 - 10.5.7 Latin Countries
 - 10.5.7.1 Market Estimates & Forecast, 2020–2027
 - 10.5.7.5 Market Estimates & Forecast, by Technology, 2020–2027
 - 10.5.7.3 Market Estimates & Forecast, by Capacity Type, 2020–2027
 - 10.5.7.4 Market Estimates & Forecast, by Applications, 2020–2027

- 11. Company Profiles
 - 11.1 Sony Corporation
 - 11.1.1 Company Overview
 - 11.1.2 Product/Business Segment Overview
 - 11.1.3 Financial Updates
 - 11.1.4 Key Developments
 - 11.2 Acer Inc.
 - 11.2.1 Company Overview
 - 11.2.2 Product/Business Segment Overview
 - 11.2.3 Financial Updates
 - 11.2.4 Key Developments
 - 11.3 Alcatel-Lucent S.A.
 - 11.3.1 Company Overview
 - 11.3.2 Product/Business Segment Overview
 - 11.3.3 Financial Updates
 - 11.3.4 Key Developments
 - 11.4 Dell Inc.
 - 11.4.1 Company Overview
 - 11.4.2 Product/Business Segment Overview
 - 11.4.3 Financial Updates
 - 11.4.4 Key Developments
 - 11.5 Siemens AG
 - 11.5.1 Company Overview

11.5.2 Product/Business Segment Overview
11.5.3 Financial Updates
11.5.4 Key Developments
11.6 Nikon Corporation
11.6.1 Company Overview
11.6.2 Product/Business Segment Overview
11.6.3 Financial Updates
11.6.4 Key Developments
11.7 Advanced Battery Systems Inc.
11.7.1 Company Overview
11.7.2 Product/Business Segment Overview
11.7.3 Financial Updates
11.7.4 Key Developments
11.8 Sharp Electronics Corporation
11.8.1 Company Overview
11.8.5 Product/Business Segment Overview
11.8.3 Financial Updates
11.8.4 Key Developments
11.9 Casio computer Co.Ltd.
11.9.1 Company Overview
11.9.2 Product/Business Segment Overview
11.9.3 Financial Updates
11.9.4 Key Developments
11.10 Seiko Holdings Corporation
11.10.1 Company Overview
11.10.2 Product/Business Segment Overview
11.10.3 Financial Updates
11.10.4 Key Developments
12 Conclusion
LIST OF TABLES

Table1 World Population by Major Regions (2020 To 2027)
Table2 Global Portable Battery Market, By Country, 2020–2027
Table3 North America: Portable Battery Market, By Country, 2020–2027
Table4 Europe: Portable Battery Market, By Country, 2020–2027
Table5 Asia-Pacific Portable Battery Market, By Country, 2020–2027
Table6 Middle East & Africa: Portable Battery Market, By Country, 2020–2027
Table7 Latin America: Portable Battery market, By Country, 2020–2027
Table8 North America: Portable Battery Market, By Country
Table9 North America: Portable Battery Market, By Technology
Table10 North America: Portable Battery Market, By Capacity Type
Table11 North America: Portable Battery Market, By Applications
Table12 Europe: Portable Battery Market, By Country
Table13 Europe: Portable Battery Market, By Technology
Table14 Europe: Portable Battery Market, By Capacity Type
Table15 Europe: Portable Battery Market, By Applications
Table16 Asia-Pacific: Portable Battery Market, By Country
Table17 Asia-Pacific: Portable Battery Market, By Technology
Table20 Asia-Pacific Portable Battery Market, By Capacity Type
Table19 Asia-Pacific Portable Battery Market, By Applications
Table20 Middle East & Africa: Portable Battery Market, By Country
Table21 Middle East & Africa: Portable Battery Market, By Technology
Table22 Middle East & Africa: Portable Battery Market, By Capacity Type
Table27 Middle East & Africa: Portable Battery Market, By Applications
Table24 Latin America: Portable Battery Market, By Country
Table25 Latin America: Portable Battery Market, By Technology
Table26 Latin America: Portable Battery market, By Capacity Type
Table27 Latin America: Portable Battery market, By Applications
LIST OF FIGURES

FIGURE 1 Global Portable Battery Market segmentation
FIGURE 2 Forecast Methodology
FIGURE 3 Porter's Five Forces Analysis of Global Portable Battery market
FIGURE 4 Value Chain of Global Portable Battery market
FIGURE 5 Share of Portable Battery Market in 2020, by country (in %)
FIGURE 6 Global Portable Battery market, 2020–2027,
FIGURE 7 Sub-segments of Technology
FIGURE 8 Global Portable Battery Market Size, by Technology, 2020
FIGURE 9 Share of Global Portable Battery Market, by Technology, 2020–2027
FIGURE 10 Global Portable Battery Market Size, by Capacity Type, 2020
FIGURE 11 Share of Global Portable Battery Market, by Capacity Type, 2020–2027
FIGURE 12 Global Portable Battery Market Size, by Applications, 2020
FIGURE 10 Share of Global Portable Battery Market, by Applications, 2020–2027
FIGURE 11 Global Portable Battery Market Size, by End-users, 2020
FIGURE 15 Share of Global Portable Battery Market, by End-users, 2020–2027
FIGURE 16 Global Portable Battery Market Size, by Components, 2020
FIGURE 17 Share of Global Portable Battery Market, by Components, 2020–2027
FIGURE 20 Global Portable Battery Market Size, by Professional Capacity Types, 2020
FIGURE 19 Share of Global Portable Battery Market, by Professional Capacity Types, 2020–2027