

# Lithium-Ion Battery Separator Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

<https://marketpublishers.com/r/L434705986B3EN.html>

Date: August 2023

Pages: 148

Price: US\$ 2,499.00 (Single User License)

ID: L434705986B3EN

## Abstracts

### Market Overview:

The global lithium-ion battery separator market size reached US\$ 3.4 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 7.7 Billion by 2028, exhibiting a growth rate (CAGR) of 14.6% during 2023-2028.

A lithium-ion battery separator is a thin, porous membrane that physically separates the anode and cathode to prevent electrical short circuits. The separator is moisturized by an electrolyte that often acts as a catalyst for the movement of ions inside the battery. It primarily focuses on providing a barrier between two electrodes while facilitating ion transport in the cell. Lithium-Ion battery separator is manufactured using non-woven fibers, polymer films, and ceramic materials that have excellent mechanical properties, good chemical stability, and are cost-effective. As a result, it finds extensive applications across the automotive, industrial, and consumer electronic industries.

### Lithium-Ion Battery Separator Market Trends:

The increasing adoption of electric vehicles (EVs) across the globe is creating a positive outlook for the market. Lithium-ion battery separators are essential to safety as in the event of a runaway reaction, their pores are designed to melt closed from the heat generated and collapse the battery before it ignites. Additionally, the implementation of various government initiatives focusing on minimizing carbon emissions is acting as another growth-inducing factor. Apart from this, the introduction of lithium-ion batteries layered with polyolefins and ceramic oxides that are stable, safe, and aid in reducing shrinkage and particle penetration are providing an impetus to the market growth.

Furthermore, the increasing product demand due to its various advantages, such as better resistance, strength, chemical permeability, and safety toward electronic short circuits, is positively influencing the market growth. Moreover, the growing demand for smartphones, tablets, and other consumer electronic products is providing a considerable boost to the market growth. Besides this, significant advancements and improvements in separator design to meet the high stability and lifespan performance standards, extensive research and development (R&D) activities, and significant growth in the automotive industry, are supporting the market growth.

#### Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global lithium-ion battery separator market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on material, thickness and end user.

#### Breakup by Material:

Polypropylene (PP)

Polyethylene (PE)

Nylon

Others

#### Breakup by Thickness:

16 $\mu$ m

20 $\mu$ m

25 $\mu$ m

#### Breakup by End User:

Industrial

Consumer Electronics

Automotive

Others

Breakup by Region:

North America

United States

Canada

Asia-Pacific

China

Japan

India

South Korea

Australia

Indonesia

Others

Europe

Germany

France

United Kingdom

Italy

Spain

Russia

Others

Latin America

Brazil

Mexico

Others

Middle East and Africa

#### Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being Asahi Kasei Corporation, Beijing SOJO Electric Co. Ltd., Cangzhou Mingzhu Plastic Co. Ltd., ENTEK International LLC, Mitsubishi Paper Mills Limited (Oji Paper Co. Ltd.), Shanghai Energy New Materials Technology Co. Ltd., SK Innovation Co. Ltd., Sumitomo Chemical Co. Ltd., Teijin Limited, Toray Industries Inc., UBE Corporation and W-SCOPE Corporation.

#### Key Questions Answered in This Report

1. What was the size of the global lithium-ion battery separator market in 2022?
2. What is the expected growth rate of the global lithium-ion battery separator market during 2023-2028?
3. What are the key factors driving the global lithium-ion battery separator market?
4. What has been the impact of COVID-19 on the global lithium-ion battery separator

market?

5. What is the breakup of the global lithium-ion battery separator market based on the end user?

6. What are the key regions in the global lithium-ion battery separator market?

7. Who are the key players/companies in the global lithium-ion battery separator market?

## Contents

### **1 PREFACE**

### **2 SCOPE AND METHODOLOGY**

- 2.1 Objectives of the Study
- 2.2 Stakeholders
- 2.3 Data Sources
  - 2.3.1 Primary Sources
  - 2.3.2 Secondary Sources
- 2.4 Market Estimation
  - 2.4.1 Bottom-Up Approach
  - 2.4.2 Top-Down Approach
- 2.5 Forecasting Methodology

### **3 EXECUTIVE SUMMARY**

### **4 INTRODUCTION**

- 4.1 Overview
- 4.2 Key Industry Trends

### **5 GLOBAL LITHIUM-ION BATTERY SEPARATOR MARKET**

- 5.1 Market Overview
- 5.2 Market Performance
- 5.3 Impact of COVID-19
- 5.4 Market Forecast

### **6 MARKET BREAKUP BY MATERIAL**

- 6.1 Polypropylene (PP)
  - 6.1.1 Market Trends
  - 6.1.2 Market Forecast
- 6.2 Polyethylene (PE)
  - 6.2.1 Market Trends
  - 6.2.2 Market Forecast
- 6.3 Nylon

- 6.3.1 Market Trends
- 6.3.2 Market Forecast
- 6.4 Others
  - 6.4.1 Market Trends
  - 6.4.2 Market Forecast

## **7 MARKET BREAKUP BY THICKNESS**

- 7.1 16µm
  - 7.1.1 Market Trends
  - 7.1.2 Market Forecast
- 7.2 20µm
  - 7.2.1 Market Trends
  - 7.2.2 Market Forecast
- 7.3 25µm
  - 7.3.1 Market Trends
  - 7.3.2 Market Forecast

## **8 MARKET BREAKUP BY END USER**

- 8.1 Industrial
  - 8.1.1 Market Trends
  - 8.1.2 Market Forecast
- 8.2 Consumer Electronics
  - 8.2.1 Market Trends
  - 8.2.2 Market Forecast
- 8.3 Automotive
  - 8.3.1 Market Trends
  - 8.3.2 Market Forecast
- 8.4 Others
  - 8.4.1 Market Trends
  - 8.4.2 Market Forecast

## **9 MARKET BREAKUP BY REGION**

- 9.1 North America
  - 9.1.1 United States
    - 9.1.1.1 Market Trends
    - 9.1.1.2 Market Forecast

- 9.1.2 Canada
  - 9.1.2.1 Market Trends
  - 9.1.2.2 Market Forecast
- 9.2 Asia-Pacific
  - 9.2.1 China
    - 9.2.1.1 Market Trends
    - 9.2.1.2 Market Forecast
  - 9.2.2 Japan
    - 9.2.2.1 Market Trends
    - 9.2.2.2 Market Forecast
  - 9.2.3 India
    - 9.2.3.1 Market Trends
    - 9.2.3.2 Market Forecast
  - 9.2.4 South Korea
    - 9.2.4.1 Market Trends
    - 9.2.4.2 Market Forecast
  - 9.2.5 Australia
    - 9.2.5.1 Market Trends
    - 9.2.5.2 Market Forecast
  - 9.2.6 Indonesia
    - 9.2.6.1 Market Trends
    - 9.2.6.2 Market Forecast
  - 9.2.7 Others
    - 9.2.7.1 Market Trends
    - 9.2.7.2 Market Forecast
- 9.3 Europe
  - 9.3.1 Germany
    - 9.3.1.1 Market Trends
    - 9.3.1.2 Market Forecast
  - 9.3.2 France
    - 9.3.2.1 Market Trends
    - 9.3.2.2 Market Forecast
  - 9.3.3 United Kingdom
    - 9.3.3.1 Market Trends
    - 9.3.3.2 Market Forecast
  - 9.3.4 Italy
    - 9.3.4.1 Market Trends
    - 9.3.4.2 Market Forecast
  - 9.3.5 Spain



- 9.3.5.1 Market Trends
- 9.3.5.2 Market Forecast
- 9.3.6 Russia
  - 9.3.6.1 Market Trends
  - 9.3.6.2 Market Forecast
- 9.3.7 Others
  - 9.3.7.1 Market Trends
  - 9.3.7.2 Market Forecast
- 9.4 Latin America
  - 9.4.1 Brazil
    - 9.4.1.1 Market Trends
    - 9.4.1.2 Market Forecast
  - 9.4.2 Mexico
    - 9.4.2.1 Market Trends
    - 9.4.2.2 Market Forecast
  - 9.4.3 Others
    - 9.4.3.1 Market Trends
    - 9.4.3.2 Market Forecast
- 9.5 Middle East and Africa
  - 9.5.1 Market Trends
  - 9.5.2 Market Breakup by Country
  - 9.5.3 Market Forecast

## **10 SWOT ANALYSIS**

- 10.1 Overview
- 10.2 Strengths
- 10.3 Weaknesses
- 10.4 Opportunities
- 10.5 Threats

## **11 VALUE CHAIN ANALYSIS**

## **12 PORTERS FIVE FORCES ANALYSIS**

- 12.1 Overview
- 12.2 Bargaining Power of Buyers
- 12.3 Bargaining Power of Suppliers
- 12.4 Degree of Competition

12.5 Threat of New Entrants

12.6 Threat of Substitutes

## **13 PRICE ANALYSIS**

## **14 COMPETITIVE LANDSCAPE**

14.1 Market Structure

14.2 Key Players

14.3 Profiles of Key Players

14.3.1 Asahi Kasei Corporation

14.3.1.1 Company Overview

14.3.1.2 Product Portfolio

14.3.1.3 Financials

14.3.1.4 SWOT Analysis

14.3.2 Beijing SOJO Electric Co. Ltd.

14.3.2.1 Company Overview

14.3.2.2 Product Portfolio

14.3.2.3 Financials

14.3.3 Cangzhou Mingzhu Plastic Co. Ltd.

14.3.3.1 Company Overview

14.3.3.2 Product Portfolio

14.3.3.3 Financials

14.3.4 ENTEK International LLC

14.3.4.1 Company Overview

14.3.4.2 Product Portfolio

14.3.5 Mitsubishi Paper Mills Limited (Oji Paper Co. Ltd.)

14.3.5.1 Company Overview

14.3.5.2 Product Portfolio

14.3.5.3 Financials

14.3.5.4 SWOT Analysis

14.3.6 Shanghai Energy New Materials Technology Co. Ltd.

14.3.6.1 Company Overview

14.3.6.2 Product Portfolio

14.3.7 SK Innovation Co. Ltd.

14.3.7.1 Company Overview

14.3.7.2 Product Portfolio

14.3.7.3 Financials

14.3.7.4 SWOT Analysis

#### 14.3.8 Sumitomo Chemical Co. Ltd.

14.3.8.1 Company Overview

14.3.8.2 Product Portfolio

14.3.8.3 Financials

14.3.8.4 SWOT Analysis

#### 14.3.9 Teijin Limited

14.3.9.1 Company Overview

14.3.9.2 Product Portfolio

14.3.9.3 Financials

14.3.9.4 SWOT Analysis

#### 14.3.10 Toray Industries Inc.

14.3.10.1 Company Overview

14.3.10.2 Product Portfolio

14.3.10.3 Financials

14.3.10.4 SWOT Analysis

#### 14.3.11 UBE Corporation

14.3.11.1 Company Overview

14.3.11.2 Product Portfolio

14.3.11.3 Financials

14.3.11.4 SWOT Analysis

#### 14.3.12 W-SCOPE Corporation

14.3.12.1 Company Overview

14.3.12.2 Product Portfolio

14.3.12.3 Financials

## List Of Tables

### LIST OF TABLES

Table 1: Global: Lithium-Ion Battery Separator Market: Key Industry Highlights, 2022 and 2028

Table 2: Global: Lithium-Ion Battery Separator Market Forecast: Breakup by Material (in Million US\$), 2023-2028

Table 3: Global: Lithium-Ion Battery Separator Market Forecast: Breakup by Thickness (in Million US\$), 2023-2028

Table 4: Global: Lithium-Ion Battery Separator Market Forecast: Breakup by End User (in Million US\$), 2023-2028

Table 5: Global: Lithium-Ion Battery Separator Market Forecast: Breakup by Region (in Million US\$), 2023-2028

Table 6: Global: Lithium-Ion Battery Separator Market: Competitive Structure

Table 7: Global: Lithium-Ion Battery Separator Market: Key Players

## List Of Figures

### LIST OF FIGURES

Figure 1: Global: Lithium-Ion Battery Separator Market: Major Drivers and Challenges

Figure 2: Global: Lithium-Ion Battery Separator Market: Sales Value (in Billion US\$), 2017-2022

Figure 3: Global: Lithium-Ion Battery Separator Market Forecast: Sales Value (in Billion US\$), 2023-2028

Figure 4: Global: Lithium-Ion Battery Separator Market: Breakup by Material (in %), 2022

Figure 5: Global: Lithium-Ion Battery Separator Market: Breakup by Thickness (in %), 2022

Figure 6: Global: Lithium-Ion Battery Separator Market: Breakup by End User (in %), 2022

Figure 7: Global: Lithium-Ion Battery Separator Market: Breakup by Region (in %), 2022

Figure 8: Global: Lithium-Ion Battery Separator (Polypropylene-PP) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 9: Global: Lithium-Ion Battery Separator (Polypropylene-PP) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 10: Global: Lithium-Ion Battery Separator (Polyethylene-PE) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 11: Global: Lithium-Ion Battery Separator (Polyethylene-PE) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 12: Global: Lithium-Ion Battery Separator (Nylon) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 13: Global: Lithium-Ion Battery Separator (Nylon) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 14: Global: Lithium-Ion Battery Separator (Other Materials) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 15: Global: Lithium-Ion Battery Separator (Other Materials) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 16: Global: Lithium-Ion Battery Separator (16 $\mu$ m) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 17: Global: Lithium-Ion Battery Separator (16 $\mu$ m) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 18: Global: Lithium-Ion Battery Separator (20 $\mu$ m) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 19: Global: Lithium-Ion Battery Separator (20 $\mu$ m) Market Forecast: Sales Value

(in Million US\$), 2023-2028

Figure 20: Global: Lithium-Ion Battery Separator (25µm) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 21: Global: Lithium-Ion Battery Separator (25µm) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 22: Global: Lithium-Ion Battery Separator (Industrial) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 23: Global: Lithium-Ion Battery Separator (Industrial) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 24: Global: Lithium-Ion Battery Separator (Consumer Electronics) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 25: Global: Lithium-Ion Battery Separator (Consumer Electronics) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 26: Global: Lithium-Ion Battery Separator (Automotive) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 27: Global: Lithium-Ion Battery Separator (Automotive) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 28: Global: Lithium-Ion Battery Separator (Other End Users) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 29: Global: Lithium-Ion Battery Separator (Other End Users) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 30: North America: Lithium-Ion Battery Separator Market: Sales Value (in Million US\$), 2017 & 2022

Figure 31: North America: Lithium-Ion Battery Separator Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 32: United States: Lithium-Ion Battery Separator Market: Sales Value (in Million US\$), 2017 & 2022

Figure 33: United States: Lithium-Ion Battery Separator Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 34: Canada: Lithium-Ion Battery Separator Market: Sales Value (in Million US\$), 2017 & 2022

Figure 35: Canada: Lithium-Ion Battery Separator Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 36: Asia-Pacific: Lithium-Ion Battery Separator Market: Sales Value (in Million US\$), 2017 & 2022

Figure 37: Asia-Pacific: Lithium-Ion Battery Separator Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 38: China: Lithium-Ion Battery Separator Market: Sales Value (in Million US\$), 2017 & 2022

Figure 39: China: Lithium-Ion Battery Separator Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 40: Japan: Lithium-Ion Battery Separator Market: Sales Value (in Million US\$), 2017 & 2022

Figure 41: Japan: Lithium-Ion Battery Separator Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 42: India: Lithium-Ion Battery Separator Market: Sales Value (in Million US\$), 2017 & 2022

Figure 43: India: Lithium-Ion Battery Separator Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 44: South Korea: Lithium-Ion Battery Separator Market: Sales Value (in Million US\$), 2017 & 2022

Figure 45: South Korea: Lithium-Ion Battery Separator Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 46: Australia: Lithium-Ion Battery Separator Market: Sales Value (in Million US\$), 2017 & 2022

Figure 47: Australia: Lithium-Ion Battery Separator Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 48: Indonesia: Lithium-Ion Battery Separator Market: Sales Value (in Million US\$), 2017 & 2022

Figure 49: Indonesia: Lithium-Ion Battery Separator Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 50: Others: Lithium-Ion Battery Separator Market: Sales Value (in Million US\$), 2017 & 2022

Figure 51: Others: Lithium-Ion Battery Separator Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 52: Europe: Lithium-Ion Battery Separator Market: Sales Value (in Million US\$), 2017 & 2022

Figure 53: Europe: Lithium-Ion Battery Separator Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 54: Germany: Lithium-Ion Battery Separator Market: Sales Value (in Million US\$), 2017 & 2022

Figure 55: Germany: Lithium-Ion Battery Separator Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 56: France: Lithium-Ion Battery Separator Market: Sales Value (in Million US\$), 2017 & 2022

Figure 57: France: Lithium-Ion Battery Separator Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 58: United Kingdom: Lithium-Ion Battery Separator Market: Sales Value (in

Million US\$), 2017 & 2022

Figure 59: United Kingdom: Lithium-Ion Battery Separator Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 60: Italy: Lithium-Ion Battery Separator Market: Sales Value (in Million US\$), 2017 & 2022

Figure 61: Italy: Lithium-Ion Battery Separator Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 62: Spain: Lithium-Ion Battery Separator Market: Sales Value (in Million US\$), 2017 & 2022

Figure 63: Spain: Lithium-Ion Battery Separator Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 64: Russia: Lithium-Ion Battery Separator Market: Sales Value (in Million US\$), 2017 & 2022

Figure 65: Russia: Lithium-Ion Battery Separator Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 66: Others: Lithium-Ion Battery Separator Market: Sales Value (in Million US\$), 2017 & 2022

Figure 67: Others: Lithium-Ion Battery Separator Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 68: Latin America: Lithium-Ion Battery Separator Market: Sales Value (in Million US\$), 2017 & 2022

Figure 69: Latin America: Lithium-Ion Battery Separator Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 70: Brazil: Lithium-Ion Battery Separator Market: Sales Value (in Million US\$), 2017 & 2022

Figure 71: Brazil: Lithium-Ion Battery Separator Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 72: Mexico: Lithium-Ion Battery Separator Market: Sales Value (in Million US\$), 2017 & 2022

Figure 73: Mexico: Lithium-Ion Battery Separator Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 74: Others: Lithium-Ion Battery Separator Market: Sales Value (in Million US\$), 2017 & 2022

Figure 75: Others: Lithium-Ion Battery Separator Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 76: Middle East and Africa: Lithium-Ion Battery Separator Market: Sales Value (in Million US\$), 2017 & 2022

Figure 77: Middle East and Africa: Lithium-Ion Battery Separator Market: Breakup by Country (in %), 2022



Figure 78: Middle East and Africa: Lithium-Ion Battery Separator Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 79: Global: Lithium-Ion Battery Separator Industry: SWOT Analysis

Figure 80: Global: Lithium-Ion Battery Separator Industry: Value Chain Analysis

Figure 81: Global: Lithium-Ion Battery Separator Industry: Porter's Five Forces Analysis

## I would like to order

Product name: Lithium-Ion Battery Separator Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

Product link: <https://marketpublishers.com/r/L434705986B3EN.html>

Price: US\$ 2,499.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/L434705986B3EN.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

