

Lithium-ion Battery Materials Market, Global Forecast by Cathode [LCO (Lithium Cobalt Oxide), NMC (Lithium Nickel Manganese Cobalt Oxide), NCA (Lithium Nickel Cobalt Aluminium Oxide), LMO (Lithium Manganese Oxide) & LPF (Lithium Iron Phosphate)], Anode (Natural Graphite, Artificial Graphite & Other Anode Materials), Separator, Electrolyte, Companies (Samsung SDI., LG Chemical, SANYO-Panasonic and ATL)

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Abstracts

Global Lithium-ion Battery Materials Market is expected to surpass more than US\$ 15 Billion by the end of year 2024. This report covers key growth drivers and scientific challenges for lithium-ion battery market. Lithium-ion batteries are one and only preferred choice source for portable electronics. The manufacturer of lithium-ion battery consistently doing a lot of research & development work to peruse technological advancements and reduce the size and weight of batteries, cost of batteries, increase their power output and safety. Moreover government regulation or policies to create framework suitable for battery regulated transportation system will foster the growth of lithium-ion battery in anticipated year.

Cathode is one of the important materials of lithium-ion battery, whereas lithium cobalt oxide and lithium-iron phosphate together control more than 80% of market share in 2017. Lithium cobalt oxide mainly used in Smartphone applications and comparatively less in portable PCs applications. Lithium-nickel manganese cobalt oxide is more demanded in xEV applications. The demand of lithium-nickel manganese cobalt oxide started since 2015 and anticipated to grow faster in forecast period. Lithium-iron

phosphate earlier used in power tools and industrial applications but since 2015 it massively used in E-bus and now many e-bus battery manufacturers signing contract with lithium-iron phosphate producer to meet the high demand of e-bus.

Renub Research latest study report “Lithium-ion Battery Materials Market, Global Forecast by Cathode [LCO (Lithium Cobalt Oxide), NMC (Lithium Nickel Manganese Cobalt Oxide), NCA (Lithium Nickel Cobalt Aluminium Oxide), LMO (Lithium Manganese Oxide) & LFP (Lithium Iron Phosphate)], Anode (Natural Graphite, Artificial Graphite & Other Anode Materials), Separator, Electrolyte, Companies (Samsung SDI., LG Chemical, SANYO-Panasonic and ATL)” provides a detailed and comprehensive insight of the Global Lithium-ion Battery by Material Market and Volume.

Cathode Captured more than Two Third of Market Share in Global Lithium-Ion Battery Material Market in 2017

In this report we have investigated the core key material required to make lithium-ion battery cells and battery packs. The most important material is cathode and we have further segmented Cathode into 5 parts LCO (Lithium Cobalt Oxide), NMC (Lithium Nickel Manganese Cobalt Oxide), NCA (Lithium Nickel Cobalt Aluminium Oxide), LMO (Lithium Manganese Oxide) and LFP (Lithium Iron Phosphate). This report also provides full market knowledge of anode, separator and electrolyte in terms value and volume both.

By Products

In this report, we have done deep study on lithium material and make assessment of every material in varieties of applications like smart phones, power tools, xEV, E-bus, portable PCs, e-bikes and several industrial applications. We have also done in-depth analysis of lithium materials in different applications in terms of volume and market and their future demand.

This market research report provides a complete analysis of the “Lithium-ion battery market by Material” Market, Volume, Growth Drivers, Challenges, and their projections for the upcoming years. This report contains fresh value chain analysis of lithium-ion battery from material to cell manufacturer and pack manufacture.

Lithium-ion Battery Market by Material

Cathode

LCO (Lithium Cobalt Oxide)

NMC (Lithium Nickel Manganese Cobalt Oxide)

NCA (Lithium Nickel Cobalt Aluminium Oxide)

LMO (Lithium Manganese Oxide)

LPF (Lithium Iron Phosphate)

Anode

Natural Graphite

Artificial Graphite

Other Anode Materials

Separator

Electrolyte

Products

Smart phones,

Power tools,

xEV,

E-bus,

Portable PCs,

E-bikes

Automotive & E-Bus Market

Several industrial applications

Key Player covered in the Report

Samsung SDI

LG Chemical

SANYO Panasonic

ATL

Scope of the Report

Global Lithium-ion Battery Market by Material: We have segmented the market into four parts by materials which are Cathode, Anode, Separator and Electrolyte. Moreover we have also fragmented most important key material Cathode into 5 parts and Anode into three parts.

Global Lithium-ion Battery Volume by Materials: We have segmented the volume sales into four parts by materials which are Cathode, Anode, Separator and Electrolyte. Moreover we have also fragmented most important key material Cathode into 5 parts and Anode into three parts. We have taken volume sales of each segment in Tons.

Key Growth Drivers & Challenges: It studies the multi-dimensional factors which help to grow global lithium-ion battery market. The report also mentions key factors that will hinder the market growth.

Key Players Analysis: We have covered four key players and their global lithium-ion battery revenue. Apart from sales analysis, we have also covered overview of the company and business strategies.

Value Chain Analysis: In this report we have examined value chain analysis of lithium-ion battery from material to cell manufacturer and pack manufacture and finally it goes to OEM.

Contents

1. EXECUTIVE SUMMARY

2. LITHIUM-ION BATTERY MARKET

3. LITHIUM-ION BATTERY VOLUME

4. LITHIUM-ION BATTERY SHARE ANALYSIS

4.1 Market Share

4.2 Volume Share

5. CATHODE MARKET & FORECAST – LITHIUM-ION BATTERIES MATERIALS

5.1 LCO (Lithium Cobalt Oxide) Market & Forecast

5.2 NMC (Lithium Nickel Manganese Cobalt Oxide) Market & Forecast

5.3 NCA (Lithium Nickel Cobalt Aluminum Oxide) Market & Forecast

5.4 LMO (Lithium Manganese Oxide) Market & Forecast

5.5 LPF (Lithium Iron Phosphate) Market & Forecast

5.6 Anode Market & Forecast

5.7 Separator Market & Forecast

5.8 Electrolyte Market & Forecast

6. BY PRODUCTS – GLOBAL LITHIUM-ION BATTERY MARKET

6.1 LCO (Lithium Cobalt Oxide) Market & Forecast

6.1.1 Smart Phone & Tablet Market

6.1.2 Portable PCs Market

6.1.3 Other Electronics Market

6.2 NMC (Lithium Nickel Manganese Cobalt Oxide) Market & Forecast

6.2.1 Smart Phones & Tablet Market

6.2.2 Portable PCs Market

6.2.3 Other Electronics Market

6.2.4 Power Tools, E-bikes Market

6.2.5 xEV Market

6.2.6 Others Market

6.3 NCA (Lithium Nickel Cobalt Aluminium Oxide) Market & Forecast

6.3.1 Smart Phones & Tablet Market

- 6.3.2 Other Electronics Market
- 6.3.3 Power Tools, E-bikes Market
- 6.3.4 xEV Market
- 6.3.5 Others Market
- 6.4 LMO (Lithium Manganese Oxide) Market & Forecast
 - 6.4.1 By Power Tools, E-bikes Market
 - 6.4.2 By xEV Market
 - 6.4.3 By Industrial Market
 - 6.4.4 By Others Market
- 6.5 LPF (Lithium Iron Phosphate) Market & Forecast
 - 6.5.1 By Power Tools, E-bikes Market
 - 6.5.2 E-Bus Market
 - 6.5.3 Industrial Market
 - 6.5.4 Others Market
- 6.6 Anode Market & Forecast
 - 6.6.1 Natural Graphite Market
 - 6.6.2 Artificial Graphite Market
 - 6.6.3 Other Anode Materials Market
- 6.7 Electrolyte Market & Forecast
 - 6.7.1 Portable Electronics Market
 - 6.7.2 Power Tools Market
 - 6.7.3 E-Bike Market
 - 6.7.4 Automotive & E-Bus Market
 - 6.7.5 Industrial Market

7. BY MATERIALS (TONS) – GLOBAL LITHIUM-ION BATTERIES VOLUME

- 7.1 Cathode Volume & Forecast
 - 7.1.1 LCO (Lithium Cobalt Oxide) Volume
 - 7.1.2 NMC (Lithium Nickel Manganese Cobalt Oxide) Volume
 - 7.1.3 NCA (Lithium Nickel Cobalt Aluminium Oxide) Volume
 - 7.1.4 LMO (Lithium Manganese Oxide) Volume
 - 7.1.5 LPF (Lithium Iron Phosphate) Volume
- 7.2 Anode Volume & Forecast
 - 7.2.1 Natural Graphite Volume
 - 7.2.2 Artificial Graphite Volume
 - 7.2.3 Other Anode Materials Volume
- 7.3 Electrolyte Volume

8. GLOBAL LI-ION BATTERY VALUE CHAIN ANALYSIS

9. SAMSUNG SDI – COMPANY ANALYSIS

9.1 Overview

9.2 Business Portfolio

9.2.1 Point No.

9.2.2 Point No.

9.2.3 Point No.

9.3 Sales Analysis

9.3.1 Annual Production Volume (Million Cells)

9.3.2 Sales Value (Million US\$)

10. SANYO-PANASONIC – COMPANY ANALYSIS

10.1 Overview

10.2 Business Portfolio

10.2.1 Point No.

10.2.2 Point No.

10.3 Sales Analysis

10.3.1 Annual Production Volume (Million Cells)

10.3.2 Sales Value (Million US\$)

11. LG CHEM. POWER (LGCPI) – COMPANY ANALYSIS

11.1 Overview

11.2 Business Portfolio

11.2.1 Point No.

11.2.2 Point No.

11.2.3 Point No.

11.2.4 Point No.

11.3 Sales Analysis

11.3.1 Annual Production Volume (Million Cells)

11.3.2 Sales Value (Million US\$)

12. AMPEREX TECHNOLOGY LIMITED (ATL) – COMPANY ANALYSIS

12.1 Overview

12.2 Business Portfolio

12.2.1 Point No.

12.2.2 Point No.

12.3 Sales Analysis

12.3.1 Annual Production Volume (Million Cells)

12.3.2 Sales Value (Million US\$)

13. KEY GROWTH DRIVERS

13.1 Continuous Decline of Lithium-ion Battery Prices

13.2 Repurposing and Recycling of Lithium-ion Battery

13.3 Raising the demand of Electric Powered Vehicles (xEVs)

14. KEY CHALLENGES

14.1 Safety

List Of Figures

LIST OF FIGURES

Figure 2-1: Global – Lithium-ion Battery Market by Materials (Billion US\$), 2010 – 2017

Figure 2-2: Global – Forecast for Lithium-ion Battery Market by Materials (Billion US\$), 2018 – 2024

Figure 3-1: Global – Lithium-ion Battery Sales Volume (Tons) by Materials, 2010 – 2017

Figure 3-2: Global – Forecast for Lithium-ion Battery Sales Volume (Tons) by Materials, 2018 – 2024

Figure 4-1: Global – Lithium-ion Battery Market Share (Percent) by Materials, 2010 – 2017

Figure 4-2: Global – Forecast for Lithium-ion Battery Market Share (Percent) by Materials, 2018 – 2024

Figure 4-3: Global – Lithium-ion Battery Volume Share (Percent) by Materials, 2010 – 2017

Figure 4-4: Global – Forecast for Lithium-ion Battery Volume Share (Percent) by Materials, 2018 – 2024

Figure 5-1: Global – Lithium-ion Battery Market by Cathode Material (Billion US\$), 2010 – 2017

Figure 5-2: Global – Forecast for Lithium-ion Battery Market by Cathode Material (Billion US\$), 2018 – 2024

Figure 5-3: Global – Lithium Cobalt Oxide Market (Million US\$), 2010 – 2017

Figure 5-4: Global – Forecast for Lithium Cobalt Oxide Market (Million US\$), 2018 – 2024

Figure 5-5: Global – Lithium Nickel Manganese Cobalt Oxide Market (Million US\$), 2010 – 2017

Figure 5-6: Global – Forecast for Lithium Nickel Manganese Cobalt Oxide Market (Million US\$), 2018 – 2024

Figure 5-7: Global – Lithium Nickel Cobalt Aluminum Oxide Market (Million US\$), 2015 – 2017

Figure 5-8: Global – Forecast for Lithium Nickel Cobalt Aluminum Oxide Market (Million US\$), 2018 – 2024

Figure 5-37: Global – Lithium Manganese Oxide Market (Million US\$), 2010 – 2017

Figure 5-10: Global – Forecast for Lithium Manganese Oxide Market (Million US\$), 2018 – 2024

Figure 5-11: Global – Lithium Iron Phosphate Market (Million US\$), 2010 – 2017

Figure 5-12: Global – Forecast for Lithium Iron Phosphate Market (Million US\$), 2018 – 2024

Figure 5-13: Global – Lithium-ion Battery Market by Anode Materials (Million US\$), 2010 – 2017

Figure 5-14: Forecast for Lithium-ion Battery Market by Anode Materials (Million US\$), 2018 – 2024

Figure 5-15: Global – Lithium-ion Battery Market by Separator (Million US\$), 2010 – 2017

Figure 5-16: Global – Forecast for Lithium-ion Battery Market by Separator (Million US\$), 2018 – 2024

Figure 5-17: Global – Lithium-ion Battery Market by Electrolyte (Million US\$), 2010 – 2017

Figure 5-18: Global – Forecast for Lithium-ion Battery Market by Electrolyte (Million US\$), 2018 – 2024

Figure 6-1: Lithium Cobalt Oxide – Smart Phone & Tablet Market (Million US\$), 2010 - 2017

Figure 6-2: Lithium Cobalt Oxide – Forecast for Smart Phone & Tablet Market (Million US\$), 2018 - 2024

Figure 6-3: Lithium Cobalt Oxide – Portable PCs Market (Million US\$), 2010 - 2017

Figure 6-4: Lithium Cobalt Oxide – Forecast for Portable PCs Market (Million US\$), 2018 - 2024

Figure 6-5: Lithium Cobalt Oxide – Other Electronic Market (Million US\$), 2010 - 2017

Figure 6-6: Lithium Cobalt Oxide – Forecast for Other Electronic Market (Million US\$), 2018 - 2024

Figure 6-7: Lithium Nickel Manganese Cobalt Oxide – Smart Phone & Tablet Market (Million US\$), 2015 – 2017

Figure 6-8: Lithium Nickel Manganese Cobalt Oxide – Forecast for Smart Phone & Tablet Market (Million US\$), 2018 – 2024

Figure 6-9: Lithium Nickel Manganese Cobalt Oxide – Portable PCs Market (Million US\$), 2010 – 2017

Figure 6-10: Lithium Nickel Manganese Cobalt Oxide – Forecast for Portable PCs Market (Million US\$), 2018 – 2024

Figure 6-11: Lithium Nickel Manganese Cobalt Oxide – Other Electronics Market (Million US\$), 2010 – 2017

Figure 6-12: Lithium Nickel Manganese Cobalt Oxide – Forecast for Other Electronics Market (Million US\$), 2018 – 2024

Figure 6-13: Lithium Nickel Manganese Cobalt Oxide – Power Tools, E-bikes Market (Million US\$), 2010 – 2017

Figure 6-14: Lithium Nickel Manganese Cobalt Oxide – Forecast for Power Tools, E-bikes Market (Million US\$), 2018 – 2024

Figure 6-15: Lithium Nickel Manganese Cobalt Oxide – xEV Market (Million US\$), 2015

– 2017

Figure 6-16: Lithium Nickel Manganese Cobalt Oxide – Forecast for xEV Market (Million US\$), 2018 – 2024

Figure 6-17: Lithium Nickel Manganese Cobalt Oxide – Others Market (Million US\$), 2015 – 2017

Figure 6-18: Lithium Nickel Manganese Cobalt Oxide – Forecast for Others Market (Million US\$), 2018 – 2024

Figure 6-19: Lithium Nickel Cobalt Aluminum Oxide – Smart Phones & Tablet Market (Million US\$), 2015 - 2017

Figure 6-20: Lithium Nickel Cobalt Aluminum Oxide – Forecast for Smart Phones & Tablet Market (Million US\$), 2018 - 2024

Figure 6-21: Lithium Nickel Cobalt Aluminum Oxide – Other Electronics Market (Million US\$), 2015 – 2017

Figure 6-22: Lithium Nickel Cobalt Aluminum Oxide – Forecast for Other Electronics Market (Million US\$), 2018 – 2024

Figure 6-23: Lithium Nickel Cobalt Aluminum Oxide – Power Tools, E-bikes Market (Million US\$), 2015 – 2017

Figure 6-24: Lithium Nickel Cobalt Aluminum Oxide – Forecast for Power Tools, E-bikes Market (Million US\$), 2018 – 2024

Figure 6-25: Lithium Nickel Cobalt Aluminum Oxide – xEV Market (Million US\$), 2015 – 2017

Figure 6-26: Lithium Nickel Cobalt Aluminum Oxide – Forecast for xEV Market (Million US\$), 2018 – 2024

Figure 6-27: Lithium Nickel Cobalt Aluminum Oxide – Others Market (Million US\$), 2015 – 2017

Figure 6-28: Lithium Nickel Cobalt Aluminum Oxide – Forecast for Others Market (Million US\$), 2018 – 2024

Figure 6-29: Lithium Manganese Oxide – Power Tools, E-bikes Market (Million US\$), 2010 – 2017

Figure 6-30: Lithium Manganese Oxide – Forecast for Power Tools, E-bikes Market (Million US\$), 2018 – 2024

Figure 6-31: Lithium Manganese Oxide – xEV Market (Million US\$), 2015 – 2017

Figure 6-32: Lithium Manganese Oxide – Forecast for xEV Market (Million US\$), 2018 – 2024

Figure 6-33: Lithium Manganese Oxide – Industrial Market (Million US\$), 2010 – 2017

Figure 6-34: Lithium Manganese Oxide – Forecast for Industrial Market (Million US\$), 2018 – 2024

Figure 6-35: Lithium Manganese Oxide – Others Market (Million US\$), 2010 – 2017

Figure 6-36: Lithium Manganese Oxide – Forecast for Others Market (Million US\$),

2018 – 2024

Figure 6-37: Lithium Iron Phosphate – Power Tools, E-bikes Market (Million US\$), 2010 – 2017

Figure 6-38: Lithium Iron Phosphate – Forecast for Power Tools, E-bikes Market (Million US\$), 2018 – 2024

Figure 6-39: Lithium Iron Phosphate – E-Bus Market (Million US\$), 2015 – 2017

Figure 6-40: Lithium Iron Phosphate – Forecast for E-Bus Market (Million US\$), 2018 – 2024

Figure 6-41: Lithium Iron Phosphate – Industrial Market (Million US\$), 2010 – 2017

Figure 6-42: Lithium Iron Phosphate – Forecast for Industrial Market (Million US\$), 2018 – 2024

Figure 6-43: Lithium Iron Phosphate – Others Market (Million US\$), 2010 – 2017

Figure 6-44: Lithium Iron Phosphate – Forecast for Others Market (Million US\$), 2018 – 2024

Figure 6-45: Global – Natural Graphite Market (Million US\$), 2010 – 2017

Figure 6-46: Global – Forecast for Natural Graphite Market (Million US\$), 2018 – 2024

Figure 6-47: Global – Artificial Graphite Market (Million US\$), 2010 – 2017

Figure 6-48: Global – Artificial Graphite Market (Million US\$), 2018 – 2024

Figure 6-49: Global – Other Anode Material Market (Million US\$), 2010 – 2017

Figure 6-50: Global – Forecast for Other Anode Material Market (Million US\$), 2018 – 2024

Figure 6-51: Lithium Electrolyte – Portable Electronic Market (Million US\$), 2010 - 2017

Figure 6-52: Lithium Electrolyte – Forecast for Portable Electronic Market (Million US\$), 2018 - 2024

Figure 6-53: Lithium Electrolyte – Power Tools Market (Million US\$), 2010 - 2017

Figure 6-54: Lithium Electrolyte – Forecast for Power Tools Market (Million US\$), 2018 - 2024

Figure 6-55: Lithium Electrolyte – E-Bike Market (Million US\$), 2010 - 2017

Figure 6-56: Lithium Electrolyte – Forecast for E-Bike Market (Million US\$), 2018 - 2024

Figure 6-57: Lithium Electrolyte – Automotive & E-Bus Market (Million US\$), 2011 – 2017

Figure 6-58: Lithium Electrolyte – Forecast for Automotive & E-Bus Market (Million US\$), 2018 – 2024

Figure 6-59: Lithium Electrolyte – Industrial Market (Million US\$), 2010 – 2017

Figure 6-60: Lithium Electrolyte – Forecast for Industrial Market (Million US\$), 2018 – 2024

Figure 7-1: Global – Cathode Material Sales for Lithium-ion Battery (Tons), 2010 – 2017

Figure 7-2: Global – Forecast for Cathode Material Sales for Lithium-ion Battery (Tons), 2018 – 2024

Figure 7-3: Global – Lithium Cobalt Oxide Sales (Tons), 2010 – 2017

Figure 7-4: Global – Forecast for Lithium Cobalt Oxide Sales (Tons), 2018 – 2024

Figure 7-5: Global – Lithium Nickel Manganese Cobalt Oxide Sales (Tons), 2010 – 2017

Figure 7-6: Global – Forecast for Lithium Nickel Manganese Cobalt Oxide Sales (Tons), 2018 – 2024

Figure 7-7: Global – Lithium Nickel Cobalt Aluminium Oxide Sales (Tons), 2010 – 2017

Figure 7-8: Global – Forecast for Lithium Nickel Cobalt Aluminium Oxide Sales (Tons), 2018 – 2024

Figure 7-9: Global – Lithium Manganese Oxide Sales (Tons), 2010 – 2017

Figure 7-10: Global – Forecast for Lithium Manganese Oxide Sales (Tons), 2018 – 2024

Figure 7-11: Global – Lithium Iron Phosphate Sales (Tons), 2010 – 2017

Figure 7-12: Global – Forecast for Lithium Iron Phosphate Sales (Tons), 2018 – 2024

Figure 7-13: Global – Anode Materials Sales for Lithium-ion Battery (Tons), 2010 – 2017

Figure 7-14: Global – Forecast for Anode Materials Sales for Lithium-ion Battery (Tons), 2018 – 2024

Figure 7-15: Global – Natural Graphite Sales for Lithium-ion Battery (Tons), 2010 – 2017

Figure 7-16: Global – Forecast for Natural Graphite Sales for Lithium-ion Battery (Tons), 2018 – 2024

Figure 7-17: Global – Artificial Graphite Sales for Lithium-ion Battery (Tons), 2010 – 2017

Figure 7-18: Global – Forecast for Artificial Graphite Sales for Lithium-ion Battery (Tons), 2018 – 2024

Figure 7-19: Global – Other Anode Materials Sales for Lithium-ion Battery (Tons), 2010 – 2017

Figure 7-20: Global – Forecast for Other Anode Materials Sales for Lithium-ion Battery (Tons), 2018 – 2024

Figure 7-21: Global – Lithium-ion Battery Sales by Electrolyte (Tons), 2010 – 2017

Figure 7-22: Global – Forecast for Lithium-ion Battery Sales by Electrolyte (Tons), 2018 – 2024

Figure 8-1: Global – Lithium-ion Battery Value Chain Analysis

Figure 9-1: Samsung SDI – Production Volume (Million Cells), 2010 – 2017

Figure 9-2: Samsung SDI – Forecast for Production Volume (Million Cells), 2018 – 2024

Figure 9-3: Samsung SDI – Sales (Million US\$), 2010 – 2017

Figure 9-4: Samsung SDI – Forecast for Sales (Million US\$), 2018 – 2024

Figure 10-1: SANYO-Panasonic – Production Volume (Million Cells), 2010 – 2017

Figure 10-2: SANYO-Panasonic – Forecast for Production Volume (Million Cells), 2018 – 2024

Figure 10-3: SANYO-Panasonic – Sales (Million US\$), 2010 – 2017

Figure 10-4: SANYO-Panasonic – Forecast for Sales (Million US\$), 2018 – 2024

Figure 11-1: LG Chem – Production Volume (Million Cells), 2010 – 2017

Figure 11-2: LG Chem – Forecast for Production Volume (Million Cells), 2018 – 2024

Figure 11-3: LG Chem – Sales (Million US\$), 2010 – 2017

Figure 11-4: LG Chem – Forecast for Sales (Million US\$), 2018 – 2024

Figure 12-1: ATL – Production Volume (Million Cells), 2010 – 2017

Figure 12-2: ATL – Forecast for Production Volume (Million Cells), 2018 – 2024

Figure 12-3: ATL – Sales (Million US\$), 2010 – 2017

Figure 12-4: ATL – Forecast for Sales (Million US\$), 2018 – 2024

Figure 13-1: Global - Lithium-ion Battery Price Survey (US\$/KWH), 2010 – 2016

LIST OF TABLE

Table 2 1: Most commonly used lithium-ion

I would like to order

Product name: Lithium-ion Battery Materials Market, Global Forecast by Cathode [LCO (Lithium Cobalt Oxide), NMC (Lithium Nickel Manganese Cobalt Oxide), NCA (Lithium Nickel Cobalt Aluminium Oxide), LMO (Lithium Manganese Oxide) & LPF (Lithium Iron Phosphate)], Anode (Natural Graphite, Artificial Graphite & Other Anode Materials), Separator, Electrolyte, Companies (Samsung SDI., LG Chemical, SANYO-Panasonic and ATL)

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