

# Cathode Material Market - Forecasts from 2019 to 2024

<https://marketpublishers.com/r/CD00E5727FE5EN.html>

Date: June 2019

Pages: 117

Price: US\$ 3,950.00 (Single User License)

ID: CD00E5727FE5EN

## Abstracts

The global cathode material market is projected to expand at a CAGR of 5.86% to reach US\$17.783 billion in 2024 from US\$12.634 billion in 2018. Cathode materials are comprised of cobalt, nickel, and manganese in the crystal structure forming a multi-metal oxide material to which lithium is added. Burgeoning demand for Li-ion batteries across industries such as automotive and electronics are the key driving factor that is boosting the demand for cathode materials. As environment-friendly policies are being bolstered across the globe, demand for electric vehicles is sharply increasing that requires efficient energy storage systems. Thus, it is providing a big boost to the cathode material's market growth. The market is expected to grow at a moderate pace owing to its increased industrial applications and rising investments in the renewable energy sector that is expected to accelerate the demand for Li-Ion batteries, thus positively impacting the growth of cathode materials market.

Based on material, lead oxide segment is expected to have a significant market share due to increased production of vehicles and rising demand for the battery storage system. By geography, the Asia Pacific region is expected to grow at a significant CAGR due to rise in demand for electric vehicles and government support for battery energy systems.

## DRIVERS

High demand for Li-ion batteries from the automotive and electronics industry

A rise in demand for electric vehicles

## RESTRAINTS

Stringent safety regulations for batteries during storage, transportation, and disposal

## INDUSTRY UPDATES

In March 2019, A team of scientists including researchers at the U.S. Department of Energy's (DOE) Brookhaven National Laboratory and SLAC National Accelerator Laboratory has identified the causes of degradation in a cathode material for lithium-ion batteries, as well as possible remedies. The findings could lead to the development of more affordable and better-performing batteries for electric vehicles.

In April 2019, Air Products announced that it has been awarded on-site oxygen and nitrogen supply for POSCO Chemical's new cathode material manufacturing complex being built in Gwangyang, South Korea.

## SEGMENTATION

The global cathode material market has been analyzed through the following segments:

### By Material Type

Lithium Cobalt Oxide

Lithium Manganese Oxide (LMO)

Lithium Nickel Cobalt Manganese Oxide (NCM)

Lithium Nickel Cobalt Aluminum Oxide (NCA)

Lead Oxide

Others

### By End-User Industry

Electronics

Automotive

Others

## By Geography

### North America

#### USA

#### Canada

#### Mexico

### South America

#### Brazil

#### Argentina

#### Others

### Europe

#### Germany

#### France

#### United Kingdom

#### Spain

#### Others

### Middle East and Africa

#### Saudi Arabia

#### Israel

#### Others

### Asia Pacific

China

Japan

South Korea

India

Others

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