

# Carbon Black in Lead-Acid Battery Market by Battery Type (Flooded Lead-Acid Battery and Valve Regulated Lead-Acid (VRLA) Battery) and Grade (Specialty and Conductive): Global Opportunity Analysis and Industry Forecast, 2020-2027

<https://marketpublishers.com/r/C303213A0525EN.html>

Date: April 2021

Pages: 218

Price: US\$ 5,769.00 (Single User License)

ID: C303213A0525EN

## Abstracts

The global carbon black in lead-acid battery market was valued at \$417.1 million in 2019, and is projected to reach \$591.4 million by 2027, growing at a CAGR of 4.6% from 2020 to 2027.

Carbon black is widely used in the lead-acid batteries consumed in automotive, e-bike, energy storage, stationary, and industrial applications. It possesses unique properties such as high surface area, high conductivity, and high hydrophobicity that enable higher dynamic charge acceptance (DCA), increased cycle life at partial state-of-charge conditions, good dispersibility and ease of use in paste preparation, improved manufacturing and battery uniformity.

Lead-acid batteries are the most popular and large-capacity rechargeable batteries. They are very inexpensive on a cost-per-watt-base, which makes them cost-effective energy sources for automobiles, electrical vehicles, forklifts, marine, and uninterruptible power supply (UPS) systems. These batteries are built with numerous individual cells containing a layer of lead alloy plates. Typically lead-acid battery is composed of 35% of sulphuric acid and 65% water. Apart from this, other additives such as carbon black are also used in the battery to provide additional strength. Carbon black with a selected combination of properties such as high surface area, high conductivity, and high hydrophobicity is used in lead-acid batteries to provide improved charge acceptance and cyclability as well as reduced hydrogen evolution.

As lead-acid battery is the first commercial use battery, the consumer base for these batteries is very wide across the globe. Therefore, the demand for these batteries is also very high in the market. Globally, many initiatives are being taking place to reduce transport emissions. In addition, communication technologies have grown significantly due to technological advancements. Lead-acid batteries have emerged as a suitable source of energy in both cases to power commutation devices as well as transportation vehicles. As a result, the global lead-acid battery market is growing at a stable pace across the globe. Since the lead-acid battery is the lowest-cost energy source, factors such as growth in automotive sales, rise in demand for UPS systems, and surge in the marine trade are expected to drive the growth of the market in the upcoming years.

On the other hand, with change in the momentum of technology, new battery sources are emerging, where lithium-ion battery is considered to be a suitable alternative to a lead-acid battery. Therefore, the demand for lead-acid battery is expected to be hampered; thereby, restraining the global market growth.

The global carbon black in lead-acid battery market is segmented on the basis of battery type, grade, and region. By the battery type, it is segmented into flooded lead-acid battery and valve regulated lead-acid (VRLA) battery. By grade, it is divided into specialty and conductive. Region wise, it is studied across North America, Europe, Asia-Pacific, and LAMEA.

The major player studied and profiled in the global carbon black in lead-acid battery market are Imerys, Orion Engineered Carbons S.A., Cabot Corporation, SGL Carbon SE, Aditya Birla Group, Denka Company Limited, Superior Graphite, Shandong Jinkeli Power Sources Technology Co., Ltd, Continental Carbon Company, and Israzion Ltd.

COVID-19 analysis:

Automotive industry accounts for 60.0% share in terms of consumption of lead-acid battery globally. The automotive industry has been affected badly amid the lockdown imposed due to the COVID-19 outbreak and has recorded decline in production of vehicles (passenger & commercial) by 20.0% in 2020. Automotive manufacturers have halted their production activities due to disrupted supply chains of automotive components and decline in demand for passenger vehicles across the globe. The decline in production of passenger and commercial vehicles and downfall in numbers of newly registered vehicles are likely to decrease the demand and production for lead-acid battery which eventually will decline the demand of carbon black additive from battery manufacturers during the forecast period.

UPS system  
manufacturing  
industry accounts  
for 21.0% share in  
terms of

consumption of lead-acid battery globally. The COVID-19 pandemic has posed business continuity challenges among various verticals, including construction and real estate, IT, healthcare, and manufacturing, owing to global lockdowns. It has impacted supply chains such as import and export control as per regional government policy and future influence on the industries. It has impacted the demand of UPS system in a negative way. The demand for UPS systems from enterprises is expected to be negative throughout 2020, particularly in retail, energy, transportation, IT, and government sectors. Due to this the demand for lead-

acid battery is anticipate to decline from UPS system manufacturers resulting in decrease in production of lead-acid battery and the demand of carbon black additives from battery manufacturers.

### Key benefits for stakeholders

Porter's five forces analysis helps analyze the potential of buyers & suppliers and the competitive scenario of the industry for strategy building.

The report outlines the current trends and future scenario of the global carbon black in lead-acid battery market from 2019 to 2027 to understand the prevailing opportunities and potential investment pockets.

Major countries in the region have been mapped according to their individual revenue contribution to the regional market.

The key drivers, restraints, & opportunities and their detailed impact analysis are explained in the global carbon black in lead-acid battery market study.

The profiles of key players and with their key strategic developments are enlisted in the global carbon black in lead-acid battery market report.

## Key market segments

By Application

Industrial Water Treatment

Pulp & Paper Processing

Oil & Gas

Medical

Food & Beverages

Others

By Region

North America

U.S.

Canada

Mexico

Europe

Germany

France

Italy

Spain

UK

Rest of Europe

## Asia-Pacific

China

Japan

South Korea

India

Australia

Rest of Asia-Pacific

## LAMEA

Brazil

Saudi Arabia

South Africa

Rest of LAMEA

## Key market segments

By Battery Type

Flooded Lead-Acid Battery

Valve Regulated Lead-Acid (VRLA) Battery

By Grade

Specialty

Conductive

## By Region

### North America

U.S.

Canada

Mexico

### Europe

Germany

France

Italy

Spain

UK

Rest of Europe

### Asia-Pacific

China

Japan

South Korea

India

Australia

Rest of Asia-Pacific



## LAMEA

Brazil

Saudi Arabia

South Africa

Rest of LAMEA

## Contents

### CHAPTER 1:INTRODUCTION

- 1.1.Report description
- 1.2.Key benefits for stakeholders
- 1.3.Key market segments
- 1.4.Research methodology
  - 1.4.1.Secondary research
  - 1.4.2.Primary research
- 1.5.Analyst tools and models

### CHAPTER 2:EXECUTIVE SUMMARY

- 2.1.Key findings of the study
- 2.2.CXO perspective

### CHAPTER 3:MARKET OVERVIEW

- 3.1.Market definition and scope
- 3.2.Key findings
  - 3.2.1.Top investment pockets
- 3.3.Porter's five forces analysis
- 3.4.Pricing analysis
  - 3.4.1.Pricing analysis, by battery type, 2019–2027
  - 3.4.2.Pricing analysis, by grade, 2019–2027
  - 3.4.3.Pricing analysis, by region, 2019–2027
- 3.5.Value chain analysis
- 3.6.Patent analysis
- 3.7.Impact of government regulations on the carbon black in lead-acid battery market
- 3.8.Market dynamics
  - 3.8.1.Drivers
    - 3.8.1.1.Cost-efficient energy storage solution
    - 3.8.1.2.Recyclability associated with lead-acid batteries over lithium-ion batteries
  - 3.8.2.Restraints
    - 3.8.2.1.Emerging as well as existing alternatives available in the market
  - 3.8.3.Opportunity
    - 3.8.3.1.Need to expand data centers
- 3.9.Parent market overview

- 3.10. Impact of COVID-19 on the global carbon black in lead-acid battery market
- 3.11. List of global top 15 lead-acid battery manufactures
- 3.12. List of lead-acid battery manufactures (Other than top 15 manufacturers)
- 3.13. List of potential customers

## **CHAPTER 4: GLOBAL CARBON BLACK IN LEAD-ACID BATTERY MARKET, BY BATTERY TYPE**

- 4.1. Overview
  - 4.1.1. Market size and forecast
- 4.2. Flooded lead-acid battery
  - 4.2.1. Key market trends, growth factors, and opportunities
  - 4.2.2. Market size and forecast, by region
  - 4.2.3. Market share analysis, by country
- 4.3. Valve regulated lead-acid (VRLA) battery
  - 4.3.1. Key market trends, growth factors, and opportunities
  - 4.3.2. Market size and forecast, by region
  - 4.3.3. Market share analysis, by country

## **CHAPTER 5: GLOBAL CARBON BLACK IN LEAD-ACID BATTERY MARKET, BY GRADE**

- 5.1. Overview
  - 5.1.1. Market size and forecast
- 5.2. Specialty
  - 5.2.1. Key market trends, growth factors, and opportunities
  - 5.2.2. Market size and forecast, by region
  - 5.2.3. Market share analysis, by country
- 5.3. Conductive
  - 5.3.1. Key market trends, growth factors, and opportunities
  - 5.3.2. Market size and forecast, by region
  - 5.3.3. Market share analysis, by country

## **CHAPTER 6: GLOBAL CARBON BLACK IN LEAD-ACID BATTERY MARKET, BY REGION**

- 6.1. Overview
  - 6.1.1. Market size and forecast
- 6.2. North America

- 6.2.1.Key market trends, growth factors, and opportunities
- 6.2.2.Market size and forecast, by battery type
- 6.2.3.Market size and forecast, by grade
- 6.2.4.Market share analysis, by country
  - 6.2.4.1.U.S.
    - 6.2.4.1.1.Market size and forecast, by battery type
    - 6.2.4.1.2.Market size and forecast, by grade
  - 6.2.4.2.Canada
    - 6.2.4.2.1.Market size and forecast, by battery type
    - 6.2.4.2.2.Market size and forecast, by grade
  - 6.2.4.3.Mexico
    - 6.2.4.3.1.Market size and forecast, by battery type
    - 6.2.4.3.2.Market size and forecast, by grade
- 6.3.Europe
  - 6.3.1.Key market trends, growth factors, and opportunities
  - 6.3.2.Market size and forecast, by battery type
  - 6.3.3.Market size and forecast, by grade
  - 6.3.4.Market share analysis, by country
    - 6.3.4.1.Germany
      - 6.3.4.1.1.Market size and forecast, by battery type
      - 6.3.4.1.2.Market size and forecast, by grade
    - 6.3.4.2.France
      - 6.3.4.2.1.Market size and forecast, by battery type
      - 6.3.4.2.2.Market size and forecast, by grade
    - 6.3.4.3.Italy
      - 6.3.4.3.1.Market size and forecast, by battery type
      - 6.3.4.3.2.Market size and forecast, by grade
    - 6.3.4.4.Spain
      - 6.3.4.4.1.Market size and forecast, by battery type
      - 6.3.4.4.2.Market size and forecast, by grade
    - 6.3.4.5.UK
      - 6.3.4.5.1.Market size and forecast, by battery type
      - 6.3.4.5.2.Market size and forecast, by grade
    - 6.3.4.6.Rest of Europe
      - 6.3.4.6.1.Market size and forecast, by battery type
      - 6.3.4.6.2.Market size and forecast, by grade
  - 6.4.Asia-Pacific
    - 6.4.1.Key market trends, growth factors, and opportunities
    - 6.4.2.Market size and forecast, by battery type

6.4.3. Market size and forecast, by grade

6.4.4. Market share analysis, by country

6.4.4.1. China

6.4.4.1.1. Market size and forecast, by battery type

6.4.4.1.2. Market size and forecast, by grade

6.4.4.2. Japan

6.4.4.2.1. Market size and forecast, by battery type

6.4.4.2.2. Market size and forecast, by grade

6.4.4.3. South Korea

6.4.4.3.1. Market size and forecast, by battery type

6.4.4.3.2. Market size and forecast, by grade

6.4.4.4. India

6.4.4.4.1. Market size and forecast, by battery type

6.4.4.4.2. Market size and forecast, by grade

6.4.4.5. Australia

6.4.4.5.1. Market size and forecast, by battery type

6.4.4.5.2. Market size and forecast, by grade

6.4.4.6. Rest of Asia-Pacific

6.4.4.6.1. Market size and forecast, by battery type

6.4.4.6.2. Market size and forecast, by grade

6.5. LAMEA

6.5.1. Key market trends, growth factors, and opportunities

6.5.2. Market size and forecast, by battery type

6.5.3. Market size and forecast, by grade

6.5.4. Market share analysis, by country

6.5.4.1. Brazil

6.5.4.1.1. Market size and forecast, by battery type

6.5.4.1.2. Market size and forecast, by grade

6.5.4.2. Saudi Arabia

6.5.4.2.1. Market size and forecast, by battery type

6.5.4.2.2. Market size and forecast, by grade

6.5.4.3. South Africa

6.5.4.3.1. Market size and forecast, by battery type

6.5.4.3.2. Market size and forecast, by grade

6.5.4.4. Rest of LAMEA

6.5.4.4.1. Market size and forecast, by battery type

6.5.4.4.2. Market size and forecast, by grade

## **CHAPTER 7: COMPETITIVE LANDSCAPE**

## 7.1.Introduction

7.1.1.Top player positioning, 2019

## 7.2.Product mapping of top 10 players

## 7.3.Competitive heatmap

## 7.4.Key developments

7.4.1.Acquisition

7.4.2.Product launch

## **CHAPTER 8:COMPANY PROFILES**

### 8.1.ADITYA BIRLA GROUP

8.1.1.Company overview

8.1.2.Company snapshot

8.1.3.Operating business segments

8.1.4.Product portfolio

8.1.5.Business performance

### 8.2.CABOT CORPORATION

8.2.1.Company overview

8.2.2.Company snapshot

8.2.3.Operating business segments

8.2.4.Product portfolio

8.2.5.Business performance

8.2.6.Key strategic moves and developments

### 8.3.CONTINENTAL CARBON COMPANY

8.3.1.Company overview

8.3.2.Company snapshot

8.3.3.Product portfolio

### 8.4.DENKA COMPANY LIMITED

8.4.1.Company overview

8.4.2.Company snapshot

8.4.3.Operating business segments

8.4.4.Product portfolio

8.4.5.Business performance

### 8.5.IMERYS

8.5.1.Company overview

8.5.2.Company snapshot

8.5.3.Operating business segments

8.5.4.Product portfolio

- 8.5.5.Business performance
- 8.6.ISRAZION LTD.
  - 8.6.1.Company overview
  - 8.6.2.Company snapshot
  - 8.6.3.Product portfolio
- 8.7.ORION ENGINEERED CARBONS S.A.
  - 8.7.1.Company overview
  - 8.7.2.Company snapshot
  - 8.7.3.Operating business segments
  - 8.7.4.Product portfolio
  - 8.7.5.Business performance
  - 8.7.6.Key strategic moves and developments
- 8.8.SGL CARBON SE
  - 8.8.1.Company overview
  - 8.8.2.Company snapshot
  - 8.8.3.Operating business segments
  - 8.8.4.Product portfolio
  - 8.8.5.Business performance
- 8.9.SHANDONG JINKELI POWER SOURCES TECHNOLOGY CO., LTD
  - 8.9.1.Company overview
  - 8.9.2.Company snapshot
  - 8.9.3.Product portfolio
- 8.10.SUPERIOR GRAPHITE
  - 8.10.1.Company overview
  - 8.10.2.Company snapshot
  - 8.10.3.Product portfolio

## List Of Tables

### LIST OF TABLES

TABLE 01.LIST OF GLOBAL TOP 15 LEAD-ACID BATTERY MANUFACTURERS

TABLE 02.LIST OF GLOBAL TOP 15 LEAD-ACID BATTERY MANUFACTURERS  
(OTHER THAN TOP 15 MANUFACTURERS)

TABLE 03.LIST OF POTENTIAL CUSTOMERS

TABLE 04.GLOBAL CARBON BLACK IN LEAD-ACID BATTERY MARKET, BY  
BATTERY TYPE, 2019-2027 (\$MILLION)

TABLE 05.GLOBAL CARBON BLACK IN LEAD-ACID BATTERY MARKET, BY  
BATTERY TYPE, 2019-2027 (KILOTONS)

TABLE 06.CARBON BLACK IN LEAD-ACID BATTERY MARKET FOR FLOODED  
LEAD-ACID BATTERY, BY REGION, 2019–2027 (\$MILLION)

TABLE 07.CARBON BLACK IN LEAD-ACID BATTERY MARKET FOR FLOODED  
LEAD-ACID BATTERY, BY REGION, 2019–2027 (KILOTONS)

TABLE 08.CARBON BLACK IN LEAD-ACID BATTERY MARKET FOR VALVE  
REGULATED LEAD-ACID (VRLA) BATTERY, BY REGION, 2019–2027 (\$MILLION)

TABLE 09.CARBON BLACK IN LEAD-ACID BATTERY MARKET FOR VALVE  
REGULATED LEAD-ACID (VRLA) BATTERY, BY REGION, 2019–2027 (KILOTONS)

TABLE 10.GLOBAL CARBON BLACK IN LEAD-ACID BATTERY MARKET, BY  
GRADE, 2019-2027 (\$MILLION)

TABLE 11.GLOBAL CARBON BLACK IN LEAD-ACID BATTERY MARKET, BY  
GRADE, 2019-2027 (KILOTONS)

TABLE 12.CARBON BLACK IN LEAD-ACID BATTERY MARKET FOR SPECIALTY  
GRADE, BY REGION, 2019–2027 (\$MILLION)

TABLE 13.CARBON BLACK IN LEAD-ACID BATTERY MARKET FOR SPECIALTY  
GRADE, BY REGION, 2019–2027 (KILOTONS)

TABLE 14.CARBON BLACK IN LEAD-ACID BATTERY MARKET FOR CONDUCTIVE  
GRADE, BY REGION, 2019–2027 (\$MILLION)

TABLE 15.CARBON BLACK IN LEAD-ACID BATTERY MARKET FOR CONDUCTIVE  
GRADE, BY REGION, 2019–2027 (KILOTONS)

TABLE 16.CARBON BLACK IN LEAD-ACID BATTERY MARKET, BY REGION,  
2019-2027 (\$MILLION)

TABLE 17.CARBON BLACK IN LEAD-ACID BATTERY MARKET, BY REGION,  
2019-2027 (KILOTONS)

TABLE 18.NORTH AMERICA CARBON BLACK IN LEAD-ACID BATTERY MARKET,  
BY BATTERY TYPE, 2019-2027 (\$MILLION)

TABLE 19.NORTH AMERICA CARBON BLACK IN LEAD-ACID BATTERY MARKET,



BY BATTERY TYPE, 2019-2027 (KILOTONS)

TABLE 20.NORTH AMERICA CARBON BLACK IN LEAD-ACID BATTERY MARKET, BY GRADE, 2019-2027 (\$MILLION)

TABLE 21.NORTH AMERICA CARBON BLACK IN LEAD-ACID BATTERY MARKET, BY GRADE, 2019-2027 (KILOTONS)

TABLE 22.NORTH AMERICA CARBON BLACK IN LEAD-ACID BATTERY MARKET, BY COUNTRY, 2019-2027 (\$MILLION)

TABLE 23.NORTH AMERICA CARBON BLACK IN LEAD-ACID BATTERY MARKET, BY COUNTRY, 2019-2027 (KILOTONS)

TABLE 24.U.S. CARBON BLACK IN LEAD-ACID BATTERY MARKET, BY BATTERY TYPE, 2019-2027 (\$MILLION)

TABLE 25.U.S. CARBON BLACK IN LEAD-ACID BATTERY MARKET, BY BATTERY TYPE, 2019-2027 (KILOTONS)

TABLE 26.U.S. CARBON BLACK IN LEAD-ACID BATTERY MARKET, BY GRADE, 2019-2027 (\$MILLION)

TABLE 27.U.S. CARBON BLACK IN LEAD-ACID BATTERY MARKET, BY GRADE, 2019-2027 (KILOTONS)

TABLE 28.CANADA CARBON BLACK IN LEAD-ACID BATTERY MARKET, BY BATTERY TYPE, 2019-2027 (\$MILLION)

TABLE 29.CANADA CARBON BLACK IN LEAD-ACID BATTERY MARKET, BY BATTERY TYPE, 2019-2027 (KILOTONS)

TABLE 30.CANADA CARBON BLACK IN LEAD-ACID BATTERY MARKET, BY GRADE, 2019-2027 (\$MILLION)

TABLE 31.CANADA CARBON BLACK IN LEAD-ACID BATTERY MARKET, BY GRADE, 2019-2027 (KILOTONS)

TABLE 32.MEXICO CARBON BLACK IN LEAD-ACID BATTERY MARKET, BY BATTERY TYPE, 2019-2027 (\$MILLION)

TABLE 33.MEXICO CARBON BLACK IN LEAD-ACID BATTERY MARKET, BY BATTERY TYPE, 2019-2027 (KILOTONS)

TABLE 34.MEXICO CARBON BLACK IN LEAD-ACID BATTERY MARKET, BY GRADE, 2019-2027 (\$MILLION)

TABLE 35.MEXICO CARBON BLACK IN LEAD-ACID BATTERY MARKET, BY GRADE, 2019-2027 (KILOTONS)

TABLE 36.EUROPE CARBON BLACK IN LEAD-ACID BATTERY MARKET, BY BATTERY TYPE, 2019-2027 (\$MILLION)

TABLE 37.EUROPE CARBON BLACK IN LEAD-ACID BATTERY MARKET, BY BATTERY TYPE, 2019-2027 (KILOTONS)

TABLE 38.EUROPE CARBON BLACK IN LEAD-ACID BATTERY MARKET, BY GRADE, 2019-2027 (\$MILLION)

TABLE 39. EUROPE CARBON BLACK IN LEAD-ACID BATTERY MARKET, BY GRADE, 2019-2027 (KILOTONS)

TABLE 40. EUROPE CARBON BLACK IN LEAD-ACID BATTERY MARKET, BY COUNTRY, 2019-2027 (\$MILLION)

TABLE 41. EUROPE CARBON BLACK IN LEAD-ACID BATTERY MARKET, BY COUNTRY, 2019-2027 (KILOTONS)

TABLE 42. GERMANY CARBON BLACK IN LEAD-ACID BATTERY MARKET, BY BATTERY TYPE, 2019-2027 (\$MILLION)

TABLE 43. GERMANY CARBON BLACK IN LEAD-ACID BATTERY MARKET, BY BATTERY TYPE, 2019-2027 (KILOTONS)

TABLE 44. GERMANY CARBON BLACK IN LEAD-ACID BATTERY MARKET, BY GRADE, 2019-2027 (\$MILLION)

TABLE 45. GERMANY CARBON BLACK IN LEAD-ACID BATTERY MARKET, BY GRADE, 2019-2027 (KILOTONS)

TABLE 46. FRANCE CARBON BLACK IN LEAD-ACID BATTERY MARKET, BY BATTERY TYPE, 2019-2027 (\$MILLION)

TABLE 47. FRANCE CARBON BLACK IN LEAD-ACID BATTERY MARKET, BY BATTERY TYPE, 2019-2027 (KILOTONS)

TABLE 48. FRANCE CARBON BLACK IN LEAD-ACID BATTERY MARKET, BY GRADE, 2019-2027 (\$MILLION)

TABLE 49. FRANCE CARBON BLACK IN LEAD-ACID BATTERY MARKET, BY GRADE, 2019-2027 (KILOTONS)

TABLE 50. ITALY CARBON BLACK IN LEAD-ACID BATTERY MARKET, BY BATTERY TYPE, 2019-2027 (\$MILLION)

TABLE 51. ITALY CARBON BLACK IN LEAD-ACID BATTERY MARKET, BY BATTERY TYPE, 2019-2027 (KILOTONS)

TABLE 52. ITALY CARBON BLACK IN LEAD-ACID BATTERY MARKET, BY GRADE, 2019-2027 (\$MILLION)

TABLE 53. ITALY CARBON BLACK IN LEAD-ACID BATTERY MARKET, BY GRADE, 2019-2027 (KILOTONS)

TABLE 54. SPAIN CARBON BLACK IN LEAD-ACID BATTERY MARKET, BY BATTERY TYPE, 2019-2027 (\$MILLION)

TABLE 55. SPAIN CARBON BLACK IN LEAD-ACID BATTERY MARKET, BY BATTERY TYPE, 2019-2027 (KILOTONS)

TABLE 56. SPAIN CARBON BLACK IN LEAD-ACID BATTERY MARKET, BY GRADE, 2019-2027 (\$MILLION)

TABLE 57. SPAIN CARBON BLACK IN LEAD-ACID BATTERY MARKET, BY GRADE, 2019-2027 (KILOTONS)

TABLE 58. UK CARBON BLACK IN LEAD-ACID BATTERY MARKET, BY BATTERY

TYPE, 2019-2027 (\$MILLION)

TABLE 59.UK CARBON BLACK IN LEAD-ACID BATTERY MARKET, BY BATTERY TYPE, 2019-2027 (KILOTONS)

TABLE 60.UK CARBON BLACK IN LEAD-ACID BATTERY MARKET, BY GRADE, 2019-2027 (\$MILLION)

TABLE 61.UK CARBON BLACK IN LEAD-ACID BATTERY MARKET, BY GRADE, 2019-2027 (KILOTONS)

TABLE 62.REST OF EUROPE CARBON BLACK IN LEAD-ACID BATTERY MARKET, BY BATTERY TYPE, 2019-2027 (\$MILLION)

TABLE 63.REST OF EUROPE CARBON BLACK IN LEAD-ACID BATTERY MARKET, BY BATTERY TYPE, 2019-2027 (KILOTONS)

TABLE 64.REST OF EUROPE CARBON BLACK IN LEAD-ACID BATTERY MARKET, BY GRADE, 2019-2027 (\$MILLION)

TABLE 65.REST OF EUROPE CARBON BLACK IN LEAD-ACID BATTERY MARKET, BY GRADE, 2019-2027 (KILOTONS)

TABLE 66.ASIA-PACIFIC CARBON BLACK IN LEAD-ACID BATTERY MARKET, BY BATTERY TYPE, 2019-2027 (\$MILLION)

TABLE 67.ASIA-PACIFIC CARBON BLACK IN LEAD-ACID BATTERY MARKET, BY BATTERY TYPE, 2019-2027 (KILOTONS)

TABLE 68.ASIA-PACIFIC CARBON BLACK IN LEAD-ACID BATTERY MARKET, BY GRADE, 2019-2027 (\$MILLION)

TABLE 69.ASIA-PACIFIC CARBON BLACK IN LEAD-ACID BATTERY MARKET, BY GRADE, 2019-2027 (KILOTONS)

TABLE 70.ASIA-PACIFIC CARBON BLACK IN LEAD-ACID BATTERY MARKET, BY COUNTRY, 2019-2027 (\$MILLION)

TABLE 71.ASIA-PACIFIC CARBON BLACK IN LEAD-ACID BATTERY MARKET, BY COUNTRY, 2019-2027 (KILOTONS)

TABLE 72.CHINA CARBON BLACK IN LEAD-ACID BATTERY MARKET, BY BATTERY TYPE, 2019-2027 (\$MILLION)

TABLE 73.CHINA CARBON BLACK IN LEAD-ACID BATTERY MARKET, BY BATTERY TYPE, 2019-2027 (KILOTONS)

TABLE 74.CHINA CARBON BLACK IN LEAD-ACID BATTERY MARKET, BY GRADE, 2019-2027 (\$MILLION)

TABLE 75.CHINA CARBON BLACK IN LEAD-ACID BATTERY MARKET, BY GRADE, 2019-2027 (KILOTONS)

TABLE 76.JAPAN CARBON BLACK IN LEAD-ACID BATTERY MARKET, BY BATTERY TYPE, 2019-2027 (\$MILLION)

TABLE 77.JAPAN CARBON BLACK IN LEAD-ACID BATTERY MARKET, BY BATTERY TYPE, 2019-2027 (KILOTONS)

TABLE 78. JAPAN CARBON BLACK IN LEAD-ACID BATTERY MARKET, BY GRADE, 2019-2027 (\$MILLION)

TABLE 79. JAPAN CARBON BLACK IN LEAD-ACID BATTERY MARKET, BY GRADE, 2019-2027 (KILOTONS)

TABLE 80. SOUTH KOREA CARBON BLACK IN LEAD-ACID BATTERY MARKET, BY BATTERY TYPE, 2019-2027 (\$MILLION)

TABLE 81. SOUTH KOREA CARBON BLACK IN LEAD-ACID BATTERY MARKET, BY BATTERY TYPE, 2019-2027 (KILOTONS)

TABLE 82. SOUTH KOREA CARBON BLACK IN LEAD-ACID BATTERY MARKET, BY GRADE, 2019-2027 (\$MILLION)

TABLE 83. SOUTH KOREA CARBON BLACK IN LEAD-ACID BATTERY MARKET, BY GRADE, 2019-2027 (KILOTONS)

TABLE 84. INDIA CARBON BLACK IN LEAD-ACID BATTERY MARKET, BY BATTERY TYPE, 2019-2027 (\$MILLION)

TABLE 85. INDIA CARBON BLACK IN LEAD-ACID BATTERY MARKET, BY BATTERY TYPE, 2019-2027 (KILOTONS)

TABLE 86. INDIA CARBON BLACK IN LEAD-ACID BATTERY MARKET, BY GRADE, 2019-2027 (\$MILLION)

TABLE 87. INDIA CARBON BLACK IN LEAD-ACID BATTERY MARKET, BY GRADE, 2019-2027 (KILOTONS)

TABLE 88. AUSTRALIA CARBON BLACK IN LEAD-ACID BATTERY MARKET, BY BATTERY TYPE, 2019-2027 (\$MILLION)

TABLE 89. AUSTRALIA CARBON BLACK IN LEAD-ACID BATTERY MARKET, BY BATTERY TYPE, 2019-2027 (KILOTONS)

TABLE 90. AUSTRALIA CARBON BLACK IN LEAD-ACID BATTERY MARKET, BY GRADE, 2019-2027 (\$MILLION)

TABLE 91. AUSTRALIA CARBON BLACK IN LEAD-ACID BATTERY MARKET, BY GRADE, 2019-2027 (KILOTONS)

TABLE 92. REST OF ASIA-PACIFIC CARBON BLACK IN LEAD-ACID BATTERY MARKET, BY BATTERY TYPE, 2019-2027 (\$MILLION)

TABLE 93. REST OF ASIA-PACIFIC CARBON BLACK IN LEAD-ACID BATTERY MARKET, BY BATTERY TYPE, 2019-2027 (KILOTONS)

TABLE 94. REST OF ASIA-PACIFIC CARBON BLACK IN LEAD-ACID BATTERY MARKET, BY GRADE, 2019-2027 (\$MILLION)

TABLE 95. REST OF ASIA-PACIFIC CARBON BLACK IN LEAD-ACID BATTERY MARKET, BY GRADE, 2019-2027 (KILOTONS)

TABLE 96. LAMEA CARBON BLACK IN LEAD-ACID BATTERY MARKET, BY BATTERY TYPE, 2019-2027 (\$MILLION)

TABLE 97. LAMEA CARBON BLACK IN LEAD-ACID BATTERY MARKET, BY

BATTERY TYPE, 2019-2027 (KILOTONS)

TABLE 98.LAMEA CARBON BLACK IN LEAD-ACID BATTERY MARKET, BY GRADE, 2019-2027 (\$MILLION)

TABLE 99.LAMEA CARBON BLACK IN LEAD-ACID BATTERY MARKET, BY GRADE, 2019-2027 (KILOTONS)

TABLE 100.LAMEA CARBON BLACK IN LEAD-ACID BATTERY MARKET, BY COUNTRY, 2019-2027 (\$MILLION)

TABLE 101.LAMEA CARBON BLACK IN LEAD-ACID BATTERY MARKET, BY COUNTRY, 2019-2027 (KILOTONS)

TABLE 102.BRAZIL CARBON BLACK IN LEAD-ACID BATTERY MARKET, BY BATTERY TYPE, 2019-2027 (\$MILLION)

TABLE 103.BRAZIL CARBON BLACK IN LEAD-ACID BATTERY MARKET, BY BATTERY TYPE, 2019-2027 (KILOTONS)

TABLE 104.BRAZIL CARBON BLACK IN LEAD-ACID BATTERY MARKET, BY GRADE, 2019-2027 (\$MILLION)

TABLE 105.BRAZIL CARBON BLACK IN LEAD-ACID BATTERY MARKET, BY GRADE, 2019-2027 (KILOTONS)

TABLE 106.SAUDI ARABIA CARBON BLACK IN LEAD-ACID BATTERY MARKET, BY BATTERY TYPE, 2019-2027 (\$MILLION)

TABLE 107.SAUDI ARABIA CARBON BLACK IN LEAD-ACID BATTERY MARKET, BY BATTERY TYPE, 2019-2027 (KILOTONS)

TABLE 108.SAUDI ARABIA CARBON BLACK IN LEAD-ACID BATTERY MARKET, BY GRADE, 2019-2027 (\$MILLION)

TABLE 109.SAUDI ARABIA CARBON BLACK IN LEAD-ACID BATTERY MARKET, BY GRADE, 2019-2027 (KILOTONS)

TABLE 110.SOUTH AFRICA CARBON BLACK IN LEAD-ACID BATTERY MARKET, BY BATTERY TYPE, 2019-2027 (\$MILLION)

TABLE 111.SOUTH AFRICA CARBON BLACK IN LEAD-ACID BATTERY MARKET, BY BATTERY TYPE, 2019-2027 (KILOTONS)

TABLE 112.SOUTH AFRICA CARBON BLACK IN LEAD-ACID BATTERY MARKET, BY GRADE, 2019-2027 (\$MILLION)

TABLE 113.SOUTH AFRICA CARBON BLACK IN LEAD-ACID BATTERY MARKET, BY GRADE, 2019-2027 (KILOTONS)

TABLE 114.REST OF LAMEA CARBON BLACK IN LEAD-ACID BATTERY MARKET, BY BATTERY TYPE, 2019-2027 (\$MILLION)

TABLE 115.REST OF LAMEA CARBON BLACK IN LEAD-ACID BATTERY MARKET, BY BATTERY TYPE, 2019-2027 (KILOTONS)

TABLE 116.REST OF LAMEA CARBON BLACK IN LEAD-ACID BATTERY MARKET, BY GRADE, 2019-2027 (\$MILLION)

TABLE 117.REST OF LAMEA CARBON BLACK IN LEAD-ACID BATTERY MARKET, BY GRADE, 2019-2027 (KILOTONS)

TABLE 118.ACQUISITION (2018-2020)

TABLE 119.PRODUCT LAUNCH (2018-2020)

TABLE 120.ADITYA BIRLA GROUP: COMPANY SNAPSHOT

TABLE 121.ADITYA BIRLA GROUP: OPERATING SEGMENTS

TABLE 122.ADITYA BIRLA GROUP: PRODUCT PORTFOLIO

TABLE 123.OVERALL FINANCIAL STATUS (\$MILLION)

TABLE 124.CABOT CORPORATION: COMPANY SNAPSHOT

TABLE 125.CABOT CORPORATION: OPERATING SEGMENTS

TABLE 126.CABOT CORPORATION: PRODUCT PORTFOLIO

TABLE 127.CABOT CORPORATION: OVERALL FINANCIAL STATUS (\$MILLION)

TABLE 128.CABOT CORPORATION: KEY STRATEGIC MOVES AND DEVELOPMENTS

TABLE 129.CONTINENTAL CARBON BLACK: COMPANY SNAPSHOT

TABLE 130.CONTINENTAL CARBON BLACK: PRODUCT PORTFOLIO

TABLE 131.DENKA COMPANY LIMITED: COMPANY SNAPSHOT

TABLE 132.DENKA COMPANY LIMITED: OPERATING SEGMENTS

TABLE 133.DENKA COMPANY LIMITED: PRODUCT PORTFOLIO

TABLE 134.OVERALL FINANCIAL STATUS (\$MILLION)

TABLE 135.IMERYS: COMPANY SNAPSHOT

TABLE 136.IMERYS: OPERATING SEGMENTS

TABLE 137.IMERYS: PRODUCT PORTFOLIO

TABLE 138.IMERYS: OVERALL FINANCIAL STATUS (\$MILLION)

TABLE 139.ISRAZION LTD.: COMPANY SNAPSHOT

TABLE 140.ISRAZION LTD.: PRODUCT PORTFOLIO

TABLE 141.ORION ENGINEERED CARBONS S.A.: COMPANY SNAPSHOT

TABLE 142.ORION ENGINEERED CARBONS S.A.: OPERATING SEGMENTS

TABLE 143.ORION ENGINEERED CARBONS S.A.: PRODUCT PORTFOLIO

TABLE 144.ORION ENGINEERED CARBONS S.A.: OVERALL FINANCIAL STATUS (\$MILLION)

TABLE 145.ORION ENGINEERED CARBONS S.A.: KEY STRATEGIC MOVES AND DEVELOPMENTS

TABLE 146.SGL CARBON SE: COMPANY SNAPSHOT

TABLE 147.SGL CARBON SE: OPERATING SEGMENTS

TABLE 148.SGL CARBON SE.: PRODUCT PORTFOLIO

TABLE 149.SGL CARBON SE: OVERALL FINANCIAL STATUS (\$MILLION)

TABLE 150.JINKELI: COMPANY SNAPSHOT

TABLE 151.JINKELI: PRODUCT PORTFOLIO

TABLE 152.SUPERIOR GRAPHITE: COMPANY SNAPSHOT  
TABLE 153.SUPERIOR GRAPHITE: PRODUCT PORTFOLIO



## List Of Figures

### LIST OF FIGURES

FIGURE 01.EXECUTIVE SUMMARY

FIGURE 02.GLOBAL CARBON BLACK IN LEAD-ACID BATTERY MARKET SEGMENTATION

FIGURE 03.TOP INVESTMENT POCKETS, BY COUNTRY

FIGURE 04.MODERATE BARGAINING POWER OF SUPPLIERS

FIGURE 05.MODERATE BARGAINING POWER OF BUYERS

FIGURE 06.MODERATE THREAT OF NEW ENTRANTS

FIGURE 07.MODERATE THREAT OF SUBSTITUTES

FIGURE 08.MODERATE INTENSITY OF COMPETITIVE RIVALRY

FIGURE 09.PRICING ANALYSIS, BY BATTERY TYPE, 2019–2027

FIGURE 10.PRICING ANALYSIS, BY GRADE, 2019–2027

FIGURE 11.PRICING ANALYSIS, BY REGION, 2019–2027

FIGURE 12.VALUE CHAIN ANALYSIS

FIGURE 13.PATENT ANALYSIS: BY REGION (2016-2020)

FIGURE 14.GLOBAL CARBON BLACK IN LEAD-ACID BATTERY MARKET DYNAMICS

FIGURE 15.PARENT MARKET OVERVIEW

FIGURE 16.GLOBAL CARBON BLACK IN LEAD-ACID BATTERY MARKET, BY BATTERY TYPE, 2019 VS 2027 (\$MILLION)

FIGURE 17.COMPARATIVE ANALYSIS OF CARBON BLACK IN LEAD-ACID BATTERY MARKET FOR FLOODED LEAD-ACID BATTERY, BY COUNTRY, 2019 VS 2027 (\$MILLION)

FIGURE 18.COMPARATIVE ANALYSIS OF CARBON BLACK IN LEAD-ACID BATTERY MARKET FOR VALVE REGULATED LEAD-ACID (VRLA) BATTERY, BY COUNTRY, 2019 VS 2027 (\$MILLION)

FIGURE 19.GLOBAL CARBON BLACK IN LEAD-ACID BATTERY MARKET, BY GRADE, 2019 VS 2027 (\$MILLION)

FIGURE 20.COMPARATIVE ANALYSIS OF CARBON BLACK IN LEAD-ACID BATTERY MARKET FOR SPECIALTY GRADE, BY COUNTRY, 2019 VS 2027 (\$MILLION)

FIGURE 21.COMPARATIVE ANALYSIS OF CARBON BLACK IN LEAD-ACID BATTERY MARKET FOR CONDUCTIVE GRADE, BY COUNTRY, 2019 VS 2027 (\$MILLION)

FIGURE 22.GLOBAL CARBON BLACK IN LEAD-ACID BATTERY MARKET, BY REGION, 2019 VS 2027 (\$MILLION)



FIGURE 23.U.S. CARBON BLACK IN LEAD-ACID BATTERY MARKET REVENUE, 2019–2027 (\$MILLION)

FIGURE 24.CANADA CARBON BLACK IN LEAD-ACID BATTERY MARKET REVENUE, 2019–2027 (\$MILLION)

FIGURE 25.MEXICO CARBON BLACK IN LEAD-ACID BATTERY MARKET REVENUE, 2019–2027 (\$MILLION)

FIGURE 26.GERMANY CARBON BLACK IN LEAD-ACID BATTERY MARKET REVENUE, 2019–2027 (\$MILLION)

FIGURE 27.FRANCE CARBON BLACK IN LEAD-ACID BATTERY MARKET REVENUE, 2019–2027 (\$MILLION)

FIGURE 28.ITALY CARBON BLACK IN LEAD-ACID BATTERY MARKET REVENUE, 2019–2027 (\$MILLION)

FIGURE 29.SPAIN CARBON BLACK IN LEAD-ACID BATTERY MARKET REVENUE, 2019–2027 (\$MILLION)

FIGURE 30.UK CARBON BLACK IN LEAD-ACID BATTERY MARKET REVENUE, 2019–2027 (\$MILLION)

FIGURE 31.REST OF EUROPE CARBON BLACK IN LEAD-ACID BATTERY MARKET REVENUE, 2019–2027 (\$MILLION)

FIGURE 32.CHINA CARBON BLACK IN LEAD-ACID BATTERY MARKET REVENUE, 2019–2027 (\$MILLION)

FIGURE 33.JAPAN CARBON BLACK IN LEAD-ACID BATTERY MARKET REVENUE, 2019–2027 (\$MILLION)

FIGURE 34.SOUTH KOREA CARBON BLACK IN LEAD-ACID BATTERY MARKET REVENUE, 2019–2027 (\$MILLION)

FIGURE 35.INDIA CARBON BLACK IN LEAD-ACID BATTERY MARKET REVENUE, 2019–2027 (\$MILLION)

FIGURE 36.AUSTRALIA CARBON BLACK IN LEAD-ACID BATTERY MARKET REVENUE, 2019–2027 (\$MILLION)

FIGURE 37.REST OF ASIA-PACIFIC CARBON BLACK IN LEAD-ACID BATTERY MARKET REVENUE, 2019–2027 (\$MILLION)

FIGURE 38.BRAZIL CARBON BLACK IN LEAD-ACID BATTERY MARKET REVENUE, 2019–2027 (\$MILLION)

FIGURE 39.SAUDI ARABIA CARBON BLACK IN LEAD-ACID BATTERY MARKET REVENUE, 2019–2027 (\$MILLION)

FIGURE 40.SOUTH AFRICA CARBON BLACK IN LEAD-ACID BATTERY MARKET REVENUE, 2019–2027 (\$MILLION)

FIGURE 41.REST OF LAMEA CARBON BLACK IN LEAD-ACID BATTERY MARKET REVENUE, 2019–2027 (\$MILLION)

FIGURE 42.TOP PLAYER POSITIONING, 2019

FIGURE 43.PRODUCT MAPPING OF TOP 10 PLAYERS

FIGURE 44.COMPETITIVE HEATMAP OF KEY PLAYERS

FIGURE 45.ADITYA BIRLA GROUP: REVENUE, 2017–2019 (\$MILLION)

FIGURE 46.ADITYA BIRLA GROUP: REVENUE SHARE BY SEGMENT, 2019 (%)

FIGURE 47.ADITYA BIRLA GROUP: REVENUE SHARE BY REGION, 2019 (%)

FIGURE 48.CABOT CORPORATION: REVENUE, 2018–2020 (\$MILLION)

FIGURE 49.CABOT CORPORATION: REVENUE SHARE BY SEGMENT, 2020 (%)

FIGURE 50.CABOT CORPORATION: REVENUE SHARE BY REGION, 2020 (%)

FIGURE 51.DENKA COMPANY LIMITED: REVENUE, 2017–2019 (\$MILLION)

FIGURE 52.DENKA COMPANY LIMITED: REVENUE SHARE BY SEGMENT, 2019 (%)

FIGURE 53.IMERYYS: REVENUE, 2017–2019 (\$MILLION)

FIGURE 54.IMERYYS: REVENUE SHARE BY SEGMENT, 2019 (%)

FIGURE 55.IMERYYS: REVENUE SHARE BY REGION, 2019 (%)

FIGURE 56.ORION ENGINEERED CARBONS S.A.: REVENUE, 2018–2020 (\$MILLION)

FIGURE 57.ORION ENGINEERED CARBONS S.A.: REVENUE SHARE BY SEGMENT, 2020 (%)

FIGURE 58.ORION ENGINEERED CARBONS S.A.: REVENUE SHARE BY REGION, 2020 (%)

FIGURE 59.SGL CARBON SE: REVENUE, 2017–2019 (\$MILLION)

FIGURE 60.SGL CARBON SE: REVENUE SHARE BY SEGMENT, 2019 (%)

FIGURE 61.SGL CARBON SE: REVENUE SHARE BY REGION, 2019 (%)

## I would like to order

Product name: Carbon Black in Lead-Acid Battery Market by Battery Type (Flooded Lead-Acid Battery and Valve Regulated Lead-Acid (VRLA) Battery) and Grade (Specialty and Conductive): Global Opportunity Analysis and Industry Forecast, 2020-2027

Product link: <https://marketpublishers.com/r/C303213A0525EN.html>

Price: US\$ 5,769.00 (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/C303213A0525EN.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