

# Automotive Lead Acid Batteries: Market Research Report

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## Abstracts

This report analyzes the worldwide markets for Automotive Lead Acid Batteries in US\$ Million and Thousand Units by the following End-Use Segments: Original Equipment Market (Motorcycles, Passenger Cars, & Commercial Vehicles), and Aftermarket/Replacement Market (Motorcycles, Passenger Cars, & Commercial Vehicles).

The report provides separate comprehensive analytics for the US, Canada, Japan, Europe, Asia-Pacific, Latin America and Rest of World. Annual estimates and forecasts are provided for the period 2016 through 2024.

Also, a five-year historic analysis is provided for these markets. Market data and analytics are derived from primary and secondary research.

Company profiles are primarily based on public domain information including company URLs. The report profiles 62 companies including many key and niche players such as -

AC Delco Corporation

ATLASBX Co., Ltd.

Banner Batteries

B.B. Battery

Camel Group Co., Ltd.

## Crown Battery

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Camel Group Co., Ltd. (China)  
Crown Battery (USA)  
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**Table 75.** French 14-Year Perspective for Lead Acid Batteries (Automotive) by End-Use Segment - Percentage Breakdown of Volume Sales for Original Equipment Market (Motorcycles, Passenger Cars and Commercial Vehicles); and Aftermarket/Replacement Market (Motorcycles, Passenger Cars and Commercial Vehicles) for Years 2011, 2018 and 2024 (includes corresponding Graph/Chart)

## Value Analytics

**Table 76.** French Recent Past, Current & Future Analysis for Lead Acid Batteries (Automotive) by End-Use Segment - Original Equipment Market (Motorcycles, Passenger Cars and Commercial Vehicles); and Aftermarket/Replacement Market (Motorcycles, Passenger Cars and Commercial Vehicles) Independently Analyzed with Annual Sales Figures in US\$ Million for Years 2016 through 2024 (includes corresponding Graph/Chart)

**Table 77.** French Historic Review for Lead Acid Batteries (Automotive) by End-Use Segment - Original Equipment Market (Motorcycles, Passenger Cars and Commercial Vehicles); and Aftermarket/Replacement Market (Motorcycles, Passenger Cars and Commercial Vehicles) Independently Analyzed with Annual Sales Figures in US\$ Million for Years 2011 through 2015 (includes corresponding Graph/Chart)

**Table 78.** French 14-Year Perspective for Lead Acid Batteries (Automotive) by End-Use Segment - Percentage Breakdown of Dollar Sales for Original Equipment Market (Motorcycles, Passenger Cars and Commercial Vehicles); and Aftermarket/Replacement Market (Motorcycles, Passenger Cars and Commercial Vehicles) for Years 2011, 2018 and 2024 (includes corresponding Graph/Chart)

### 7.4.2 Germany

#### A. Market Analysis

##### Current and Future Analysis

##### Volume Sales

##### Value Sales

#### B. Market Analytics

##### Volume Analytics

**Table 79.** German Recent Past, Current & Future Analysis for Lead Acid Batteries (Automotive) by End-Use Segment - Original Equipment Market (Motorcycles, Passenger Cars and Commercial Vehicles); and Aftermarket/Replacement Market (Motorcycles, Passenger Cars and Commercial Vehicles) Independently Analyzed with Annual Sales Figures in Thousand Units for Years 2016 through 2024 (includes corresponding Graph/Chart)

**Table 80.** German Historic Review for Lead Acid Batteries (Automotive) by End-Use Segment - Original Equipment Market (Motorcycles, Passenger Cars and Commercial Vehicles); and Aftermarket/Replacement Market (Motorcycles, Passenger Cars and Commercial Vehicles) Independently Analyzed with Annual Sales Figures in Thousand Units for Years 2011 through 2015 (includes corresponding Graph/Chart)

**Table 81.** German 14-Year Perspective for Lead Acid Batteries (Automotive) by End-Use Segment - Percentage Breakdown of Volume Sales for Original Equipment Market (Motorcycles, Passenger Cars and Commercial Vehicles); and Aftermarket/Replacement Market (Motorcycles, Passenger Cars and Commercial Vehicles) for Years 2011, 2018 and 2024 (includes corresponding Graph/Chart)

### Value Analytics

**Table 82.** German Recent Past, Current & Future Analysis for Lead Acid Batteries (Automotive) by End-Use Segment - Original Equipment Market (Motorcycles, Passenger Cars and Commercial Vehicles); and Aftermarket/Replacement Market (Motorcycles, Passenger Cars and Commercial Vehicles) Independently Analyzed with Annual Sales Figures in US\$ Million for Years 2016 through 2024 (includes corresponding Graph/Chart)

**Table 83.** German Historic Review for Lead Acid Batteries (Automotive) by End-Use Segment - Original Equipment Market (Motorcycles, Passenger Cars and Commercial Vehicles); and Aftermarket/Replacement Market (Motorcycles, Passenger Cars and Commercial Vehicles) Independently Analyzed with Annual Sales Figures in US\$ Million for Years 2011 through 2015 (includes corresponding Graph/Chart)

**Table 84.** German 14-Year Perspective for Lead Acid Batteries (Automotive) by End-Use Segment - Percentage Breakdown of Dollar Sales for Original Equipment Market (Motorcycles, Passenger Cars and Commercial Vehicles); and Aftermarket/Replacement Market (Motorcycles, Passenger Cars and Commercial Vehicles) for Years 2011, 2018 and 2024 (includes corresponding Graph/Chart)

### 7.4.3 Italy

#### A. Market Analysis

#### Current and Future Analysis

Volume Sales

Value Sales

B. Market Analytics

Volume Analytics

**Table 85.** Italian Recent Past, Current & Future Analysis for Lead Acid Batteries (Automotive) by End-Use Segment - Original Equipment Market (Motorcycles, Passenger Cars and Commercial Vehicles); and Aftermarket/Replacement Market (Motorcycles, Passenger Cars and Commercial Vehicles) Independently Analyzed with Annual Sales Figures in Thousand Units for Years 2016 through 2024 (includes corresponding Graph/Chart)

**Table 86.** Italian Historic Review for Lead Acid Batteries (Automotive) by End-Use Segment - Original Equipment Market (Motorcycles, Passenger Cars and Commercial Vehicles); and Aftermarket/Replacement Market (Motorcycles, Passenger Cars and Commercial Vehicles) Independently Analyzed with Annual Sales Figures in Thousand Units for Years 2011 through 2015 (includes corresponding Graph/Chart)

**Table 87.** Italian 14-Year Perspective for Lead Acid Batteries (Automotive) by End-Use Segment - Percentage Breakdown of Volume Sales for Original Equipment Market (Motorcycles, Passenger Cars and Commercial Vehicles); and Aftermarket/Replacement Market (Motorcycles, Passenger Cars and Commercial Vehicles) for Years 2011, 2018 and 2024 (includes corresponding Graph/Chart)

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**Table 88.** Italian Recent Past, Current & Future Analysis for Lead Acid Batteries (Automotive) by End-Use Segment - Original Equipment Market (Motorcycles, Passenger Cars and Commercial Vehicles); and Aftermarket/Replacement Market (Motorcycles, Passenger Cars and Commercial Vehicles) Independently Analyzed with Annual Sales Figures in US\$ Million for Years 2016 through 2024 (includes corresponding Graph/Chart)

**Table 89.** Italian Historic Review for Lead Acid Batteries (Automotive) by End-Use Segment - Original Equipment Market (Motorcycles, Passenger Cars and Commercial Vehicles); and Aftermarket/Replacement Market (Motorcycles, Passenger Cars and

Commercial Vehicles) Independently Analyzed with Annual Sales Figures in US\$ Million for Years 2011 through 2015 (includes corresponding Graph/Chart)

**Table 90.** Italian 14-Year Perspective for Lead Acid Batteries (Automotive) by End-Use Segment - Percentage Breakdown of Dollar Sales for Original Equipment Market (Motorcycles, Passenger Cars and Commercial Vehicles); and Aftermarket/Replacement Market (Motorcycles, Passenger Cars and Commercial Vehicles) for Years 2011, 2018 and 2024 (includes corresponding Graph/Chart)

#### 7.4.4 The United Kingdom

##### A. Market Analysis

##### Current and Future Analysis

##### Volume Sales

##### Value Sales

##### B. Market Analytics

##### Volume Analytics

**Table 91.** The UK Recent Past, Current & Future Analysis for Lead Acid Batteries (Automotive) by End-Use Segment - Original Equipment Market (Motorcycles, Passenger Cars and Commercial Vehicles); and Aftermarket/Replacement Market (Motorcycles, Passenger Cars and Commercial Vehicles) Independently Analyzed with Annual Sales Figures in Thousand Units for Years 2016 through 2024 (includes corresponding Graph/Chart)

**Table 92.** The UK Historic Review for Lead Acid Batteries (Automotive) by End-Use Segment - Original Equipment Market (Motorcycles, Passenger Cars and Commercial Vehicles); and Aftermarket/Replacement Market (Motorcycles, Passenger Cars and Commercial Vehicles) Independently Analyzed with Annual Sales Figures in Thousand Units for Years 2011 through 2015 (includes corresponding Graph/Chart)

**Table 93.** The UK 14-Year Perspective for Lead Acid Batteries (Automotive) by End-Use Segment - Percentage Breakdown of Volume Sales for Original Equipment Market (Motorcycles, Passenger Cars and Commercial Vehicles); and Aftermarket/Replacement Market (Motorcycles, Passenger Cars and Commercial Vehicles) for Years 2011, 2018 and 2024 (includes corresponding Graph/Chart)



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**Table 94.** The UK Recent Past, Current & Future Analysis for Lead Acid Batteries (Automotive) by End-Use Segment - Original Equipment Market (Motorcycles, Passenger Cars and Commercial Vehicles); and Aftermarket/Replacement Market (Motorcycles, Passenger Cars and Commercial Vehicles) Independently Analyzed with Annual Sales Figures in US\$ Million for Years 2016 through 2024 (includes corresponding Graph/Chart)

**Table 95.** The UK Historic Review for Lead Acid Batteries (Automotive) by End-Use Segment - Original Equipment Market (Motorcycles, Passenger Cars and Commercial Vehicles); and Aftermarket/Replacement Market (Motorcycles, Passenger Cars and Commercial Vehicles) Independently Analyzed with Annual Sales Figures in US\$ Million for Years 2011 through 2015 (includes corresponding Graph/Chart)

**Table 96.** The UK 14-Year Perspective for Lead Acid Batteries (Automotive) by End-Use Segment - Percentage Breakdown of Dollar Sales for Original Equipment Market (Motorcycles, Passenger Cars and Commercial Vehicles); and Aftermarket/Replacement Market (Motorcycles, Passenger Cars and Commercial Vehicles) for Years 2011, 2018 and 2024 (includes corresponding Graph/Chart)

### 7.4.5 Spain

#### A. Market Analysis

##### Current and Future Analysis

##### Volume Sales

##### Value Sales

#### B. Market Analytics

##### Volume Analytics

**Table 97.** Spanish Recent Past, Current & Future Analysis for Lead Acid Batteries (Automotive) by End-Use Segment - Original Equipment Market (Motorcycles, Passenger Cars and Commercial Vehicles); and Aftermarket/Replacement Market (Motorcycles, Passenger Cars and Commercial Vehicles) Independently Analyzed with Annual Sales Figures in Thousand Units for Years 2016 through 2024 (includes corresponding Graph/Chart)

**Table 98.** Spanish Historic Review for Lead Acid Batteries (Automotive) by End-Use Segment - Original Equipment Market (Motorcycles, Passenger Cars and Commercial Vehicles); and Aftermarket/Replacement Market (Motorcycles, Passenger Cars and Commercial Vehicles) Independently Analyzed with Annual Sales Figures in Thousand Units for Years 2011 through 2015 (includes corresponding Graph/Chart)

**Table 99.** Spanish 14-Year Perspective for Lead Acid Batteries (Automotive) by End-Use Segment - Percentage Breakdown of Volume Sales for Original Equipment Market (Motorcycles, Passenger Cars and Commercial Vehicles); and Aftermarket/Replacement Market (Motorcycles, Passenger Cars and Commercial Vehicles) for Years 2011, 2018 and 2024 (includes corresponding Graph/Chart)

#### Value Analytics

**Table 100.** Spanish Recent Past, Current & Future Analysis for Lead Acid Batteries (Automotive) by End-Use Segment - Original Equipment Market (Motorcycles, Passenger Cars and Commercial Vehicles); and Aftermarket/Replacement Market (Motorcycles, Passenger Cars and Commercial Vehicles) Independently Analyzed with Annual Sales Figures in US\$ Million for Years 2016 through 2024 (includes corresponding Graph/Chart)

**Table 101.** Spanish Historic Review for Lead Acid Batteries (Automotive) by End-Use Segment - Original Equipment Market (Motorcycles, Passenger Cars and Commercial Vehicles); and Aftermarket/Replacement Market (Motorcycles, Passenger Cars and Commercial Vehicles) Independently Analyzed with Annual Sales Figures in US\$ Million for Years 2011 through 2015 (includes corresponding Graph/Chart)

**Table 102.** Spanish 14-Year Perspective for Lead Acid Batteries (Automotive) by End-Use Segment - Percentage Breakdown of Dollar Sales for Original Equipment Market (Motorcycles, Passenger Cars and Commercial Vehicles); and Aftermarket/Replacement Market (Motorcycles, Passenger Cars and Commercial Vehicles) for Years 2011, 2018 and 2024 (includes corresponding Graph/Chart)

#### 7.4.6 Russia

##### A. Market Analysis

##### Current and Future Analysis

Volume Sales

Value Sales

B. Market Analytics

Volume Analytics

**Table 103.** Russian Recent Past, Current & Future Analysis for Lead Acid Batteries (Automotive) by End-Use Segment - Original Equipment Market (Motorcycles, Passenger Cars and Commercial Vehicles); and Aftermarket/Replacement Market (Motorcycles, Passenger Cars and Commercial Vehicles) Independently Analyzed with Annual Sales Figures in Thousand Units for Years 2016 through 2024 (includes corresponding Graph/Chart)

**Table 104.** Russian Historic Review for Lead Acid Batteries (Automotive) by End-Use Segment - Original Equipment Market (Motorcycles, Passenger Cars and Commercial Vehicles); and Aftermarket/ Replacement Market (Motorcycles, Passenger Cars and Commercial Vehicles) Independently Analyzed with Annual Sales Figures in Thousand Units for Years 2011 through 2015 (includes corresponding Graph/Chart)

**Table 105.** Russian 14-Year Perspective for Lead Acid Batteries (Automotive) by End-Use Segment - Percentage Breakdown of Volume Sales for Original Equipment Market (Motorcycles, Passenger Cars and Commercial Vehicles); and Aftermarket/ Replacement Market (Motorcycles, Passenger Cars and Commercial Vehicles) for Years 2011, 2018 and 2024 (includes corresponding Graph/Chart)

Value Analytics

**Table 106.** Russian Recent Past, Current & Future Analysis for Lead Acid Batteries (Automotive) by End-Use Segment - Original Equipment Market (Motorcycles, Passenger Cars and Commercial Vehicles); and Aftermarket/Replacement Market (Motorcycles, Passenger Cars and Commercial Vehicles) Independently Analyzed with Annual Sales Figures in US\$ Million for Years 2016 through 2024 (includes corresponding Graph/Chart)

**Table 107.** Russian Historic Review for Lead Acid Batteries (Automotive) by End-Use Segment - Original Equipment Market (Motorcycles, Passenger Cars and Commercial Vehicles); and Aftermarket/ Replacement Market (Motorcycles, Passenger Cars and

Commercial Vehicles) Independently Analyzed with Annual Sales Figures in US\$ Million for Years 2011 through 2015 (includes corresponding Graph/Chart)

**Table 108.** Russian 14-Year Perspective for Lead Acid Batteries (Automotive) by End-Use Segment - Percentage Breakdown of Dollar Sales for Original Equipment Market (Motorcycles, Passenger Cars and Commercial Vehicles); and Aftermarket/Replacement Market (Motorcycles, Passenger Cars and Commercial Vehicles) for Years 2011, 2018 and 2024 (includes corresponding Graph/Chart)

#### 7.4.7 Rest of Europe

##### A. Market Analysis

##### Current and Future Analysis

##### Volume Sales

##### Value Sales

##### B. Market Analytics

##### Volume Analytics

**Table 109.** Rest of European Recent Past, Current & Future Analysis for Lead Acid Batteries (Automotive) by End-Use Segment - Original Equipment Market (Motorcycles, Passenger Cars and Commercial Vehicles); and Aftermarket/Replacement Market (Motorcycles, Passenger Cars and Commercial Vehicles) Independently Analyzed with Annual Sales Figures in Thousand Units for Years 2016 through 2024 (includes corresponding Graph/Chart)

**Table 110.** Rest of European Historic Review for Lead Acid Batteries (Automotive) by End-Use Segment - Original Equipment Market (Motorcycles, Passenger Cars and Commercial Vehicles); and Aftermarket/Replacement Market (Motorcycles, Passenger Cars and Commercial Vehicles) Independently Analyzed with Annual Sales Figures in Thousand Units for Years 2011 through 2015 (includes corresponding Graph/Chart)

**Table 111.** Rest of European 14-Year Perspective for Lead Acid Batteries (Automotive) by End-Use Segment - Percentage Breakdown of Volume Sales for Original Equipment Market (Motorcycles, Passenger Cars and Commercial Vehicles); and Aftermarket/Replacement Market (Motorcycles, Passenger Cars and Commercial Vehicles) for Years 2011, 2018 and 2024 (includes corresponding Graph/Chart)

## Value Analytics

**Table 112.** Rest of European Recent Past, Current & Future Analysis for Lead Acid Batteries (Automotive) by End-Use Segment - Original Equipment Market (Motorcycles, Passenger Cars and Commercial Vehicles); and Aftermarket/Replacement Market (Motorcycles, Passenger Cars and Commercial Vehicles) Independently Analyzed with Annual Sales Figures in US\$ Million for Years 2016 through 2024 (includes corresponding Graph/Chart)

**Table 113.** Rest of European Historic Review for Lead Acid Batteries (Automotive) by End-Use Segment - Original Equipment Market (Motorcycles, Passenger Cars and Commercial Vehicles); and Aftermarket/Replacement Market (Motorcycles, Passenger Cars and Commercial Vehicles) Independently Analyzed with Annual Sales Figures in US\$ Million for Years 2011 through 2015 (includes corresponding Graph/Chart)

**Table 114.** Rest of European 14-Year Perspective for Lead Acid Batteries (Automotive) by End-Use Segment - Percentage Breakdown of Dollar Sales for Original Equipment Market (Motorcycles, Passenger Cars and Commercial Vehicles); and Aftermarket/Replacement Market (Motorcycles, Passenger Cars and Commercial Vehicles) for Years 2011, 2018 and 2024 (includes corresponding Graph/Chart)

### 7.5 Asia-Pacific

#### A. Market Analysis

##### Current and Future Analysis

##### Volume Sales

##### Value Sales

#### B. Market Analytics

##### Volume Analytics

**Table 115.** Asia-Pacific Recent Past, Current & Future Analysis for Lead Acid Batteries (Automotive) by Geographic Region - China, India and Rest of Asia-Pacific Markets Independently Analyzed with Annual Sales Figures in Thousand Units for Years 2016 through 2024 (includes corresponding Graph/Chart)

**Table 116.** Asia-Pacific Historic Review for Lead Acid Batteries (Automotive) by Geographic Region - China, India and Rest of Asia-Pacific Markets Independently

Analyzed with Annual Sales Figures in Thousand Units for Years 2011 through 2015 (includes corresponding Graph/Chart)

**Table 117.** Asia-Pacific 14-Year Perspective for Lead Acid Batteries (Automotive) by Geographic Region - Percentage Breakdown of Volume Sales for China, India and Rest of Asia-Pacific Markets for Years 2011, 2018 and 2024 (includes corresponding Graph/Chart)

**Table 118.** Asia-Pacific Recent Past, Current & Future Analysis for Lead Acid Batteries (Automotive) by End-Use Segment - Original Equipment Market (Motorcycles, Passenger Cars and Commercial Vehicles); and Aftermarket/ Replacement Market (Motorcycles, Passenger Cars and Commercial Vehicles) Independently Analyzed with Annual Sales Figures in Thousand Units for Years 2016 through 2024 (includes corresponding Graph/Chart)

**Table 119.** Asia-Pacific Historic Review for Lead Acid Batteries (Automotive) by End-Use Segment - Original Equipment Market (Motorcycles, Passenger Cars and Commercial Vehicles); and Aftermarket/ Replacement Market (Motorcycles, Passenger Cars and Commercial Vehicles) Independently Analyzed with Annual Sales Figures in Thousand Units for Years 2011 through 2015 (includes corresponding Graph/Chart)

**Table 120.** Asia-Pacific 14-Year Perspective for Lead Acid Batteries (Automotive) by End-Use Segment - Percentage Breakdown of Volume Sales for Original Equipment Market (Motorcycles, Passenger Cars and Commercial Vehicles); and Aftermarket/Replacement Market (Motorcycles, Passenger Cars and Commercial Vehicles) for Years 2011, 2018 and 2024 (includes corresponding Graph/Chart)

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**Table 121.** Asia-Pacific Recent Past, Current & Future Analysis for Lead Acid Batteries (Automotive) by Geographic Region - China, India and Rest of Asia-Pacific Markets Independently Analyzed with Annual Sales Figures in US\$ Million for Years 2016 through 2024 (includes corresponding Graph/Chart)

**Table 122.** Asia-Pacific Historic Review for Lead Acid Batteries (Automotive) by Geographic Region - China, India and Rest of Asia-Pacific Markets Independently Analyzed with Annual Sales Figures in US\$ Million for Years 2011 through 2015

(includes corresponding Graph/Chart)

**Table 123.** Asia-Pacific 14-Year Perspective for Lead Acid Batteries (Automotive) by Geographic Region - Percentage Breakdown of Dollar Sales for China, India and Rest of Asia-Pacific Markets for Years 2011, 2018 and 2024 (includes corresponding Graph/Chart)

**Table 124.** Asia-Pacific Recent Past, Current & Future Analysis for Lead Acid Batteries (Automotive) by End-Use Segment - Original Equipment Market (Motorcycles, Passenger Cars and Commercial Vehicles); and Aftermarket/ Replacement Market (Motorcycles, Passenger Cars and Commercial Vehicles) Independently Analyzed with Annual Sales Figures in US\$ Million for Years 2016 through 2024 (includes corresponding Graph/Chart)

**Table 125.** Asia-Pacific Historic Review for Lead Acid Batteries (Automotive) by End-Use Segment - Original Equipment Market (Motorcycles, Passenger Cars and Commercial Vehicles); and Aftermarket/ Replacement Market (Motorcycles, Passenger Cars and Commercial Vehicles) Independently Analyzed with Annual Sales Figures in US\$ Million for Years 2011 through 2015 (includes corresponding Graph/Chart)

**Table 126.** Asia-Pacific 14-Year Perspective for Lead Acid Batteries (Automotive) by End-Use Segment - Percentage Breakdown of Dollar Sales for Original Equipment Market (Motorcycles, Passenger Cars and Commercial Vehicles); and Aftermarket/Replacement Market (Motorcycles, Passenger Cars and Commercial Vehicles) for Years 2011, 2018 and 2024 (includes corresponding Graph/Chart)

### 7.5.1 China

#### A. Market Analysis

##### Current and Future Analysis

##### Volume Sales

##### Value Sales

China's Rechargeable Lead Acid Battery Industry – Highly Lucrative Sealed Lead-Acid Batteries an 'In-Thing' for Automobiles

#### B. Market Analytics

##### Volume Analytics

**Table 127.** Chinese Recent Past, Current & Future Analysis for Lead Acid Batteries

(Automotive) by End-Use Segment - Original Equipment Market (Motorcycles, Passenger Cars and Commercial Vehicles); and Aftermarket/Replacement Market (Motorcycles, Passenger Cars and Commercial Vehicles) Independently Analyzed with Annual Sales Figures in Thousand Units for Years 2016 through 2024 (includes corresponding Graph/Chart)

**Table 128.** Chinese Historic Review for Lead Acid Batteries (Automotive) by End-Use Segment - Original Equipment Market (Motorcycles, Passenger Cars and Commercial Vehicles); and Aftermarket/Replacement Market (Motorcycles, Passenger Cars and Commercial Vehicles) Independently Analyzed with Annual Sales Figures in Thousand Units for Years 2011 through 2015 (includes corresponding Graph/Chart)

**Table 129.** Chinese 14-Year Perspective for Lead Acid Batteries (Automotive) by End-Use Segment - Percentage Breakdown of Volume Sales for Original Equipment Market (Motorcycles, Passenger Cars and Commercial Vehicles); and Aftermarket/Replacement Market (Motorcycles, Passenger Cars and Commercial Vehicles) for Years 2011, 2018 and 2024 (includes corresponding Graph/Chart)

#### Value Analytics

**Table 130.** Chinese Recent Past, Current & Future Analysis for Lead Acid Batteries (Automotive) by End-Use Segment - Original Equipment Market (Motorcycles, Passenger Cars and Commercial Vehicles); and Aftermarket/Replacement Market (Motorcycles, Passenger Cars and Commercial Vehicles) Independently Analyzed with Annual Sales Figures in US\$ Million for Years 2016 through 2024 (includes corresponding Graph/Chart)

**Table 131.** Chinese Historic Review for Lead Acid Batteries (Automotive) by End-Use Segment - Original Equipment Market (Motorcycles, Passenger Cars and Commercial Vehicles); and Aftermarket/ Replacement Market (Motorcycles, Passenger Cars and Commercial Vehicles) Independently Analyzed with Annual Sales Figures in US\$ Million for Years 2011 through 2015 (includes corresponding Graph/Chart)

**Table 132.** Chinese 14-Year Perspective for Lead Acid Batteries (Automotive) by End-Use Segment - Percentage Breakdown of Dollar Sales for Original Equipment Market (Motorcycles, Passenger Cars and Commercial Vehicles); and Aftermarket/Replacement Market (Motorcycles, Passenger Cars and Commercial



Vehicles) for Years 2011, 2018 and 2024 (includes corresponding Graph/Chart)

### 7.5.2 India

#### A. Market Analysis

##### Current and Future Analysis

##### Volume Sales

##### Value Sales

#### B. Market Analytics

##### Volume Analytics

**Table 133.** Indian Recent Past, Current & Future Analysis for Lead Acid Batteries (Automotive) by End-Use Segment - Original Equipment Market (Motorcycles, Passenger Cars and Commercial Vehicles); and Aftermarket/Replacement Market (Motorcycles, Passenger Cars and Commercial Vehicles) Independently Analyzed with Annual Sales Figures in Thousand Units for Years 2016 through 2024 (includes corresponding Graph/Chart)

**Table 134.** Indian Historic Review for Lead Acid Batteries (Automotive) by End-Use Segment - Original Equipment Market (Motorcycles, Passenger Cars and Commercial Vehicles); and Aftermarket/Replacement Market (Motorcycles, Passenger Cars and Commercial Vehicles) Independently Analyzed with Annual Sales Figures in Thousand Units for Years 2011 through 2015 (includes corresponding Graph/Chart)

**Table 135.** Indian 14-Year Perspective for Lead Acid Batteries (Automotive) by End-Use Segment - Percentage Breakdown of Volume Sales for Original Equipment Market (Motorcycles, Passenger Cars and Commercial Vehicles); and Aftermarket/Replacement Market (Motorcycles, Passenger Cars and Commercial Vehicles) for Years 2011, 2018 and 2024 (includes corresponding Graph/Chart)

#### Value Analytics

**Table 136.** Indian Recent Past, Current & Future Analysis for Lead Acid Batteries (Automotive) by End-Use Segment - Original Equipment Market (Motorcycles, Passenger Cars and Commercial Vehicles); and Aftermarket/Replacement Market (Motorcycles, Passenger Cars and Commercial Vehicles) Independently Analyzed with

Annual Sales Figures in US\$ Million for Years 2016 through 2024 (includes corresponding Graph/Chart)

**Table 137.** Indian Historic Review for Lead Acid Batteries (Automotive) by End-Use Segment - Original Equipment Market (Motorcycles, Passenger Cars and Commercial Vehicles); and Aftermarket/Replacement Market (Motorcycles, Passenger Cars and Commercial Vehicles) Independently Analyzed with Annual Sales Figures in US\$ Million for Years 2011 through 2015 (includes corresponding Graph/Chart)

**Table 138.** Indian 14-Year Perspective for Lead Acid Batteries (Automotive) by End-Use Segment - Percentage Breakdown of Dollar Sales for Original Equipment Market (Motorcycles, Passenger Cars and Commercial Vehicles); and Aftermarket/Replacement Market (Motorcycles, Passenger Cars and Commercial Vehicles) for Years 2011, 2018 and 2024 (includes corresponding Graph/Chart)

### 7.5.3 Rest of Asia-Pacific

#### A. Market Analysis

##### Current and Future Analysis

##### Volume Sales

##### Value Sales

#### B. Market Analytics

##### Volume Analytics

**Table 139.** Rest of Asia-Pacific Recent Past, Current & Future Analysis for Lead Acid Batteries (Automotive) by End-Use Segment - Original Equipment Market (Motorcycles, Passenger Cars and Commercial Vehicles); and Aftermarket/Replacement Market (Motorcycles, Passenger Cars and Commercial Vehicles) Independently Analyzed with Annual Sales Figures in Thousand Units for Years 2016 through 2024 (includes corresponding Graph/Chart)

**Table 140.** Rest of Asia-Pacific Historic Review for Lead Acid Batteries (Automotive) by End-Use Segment - Original Equipment Market (Motorcycles, Passenger Cars and Commercial Vehicles); and Aftermarket/Replacement Market (Motorcycles, Passenger Cars and Commercial Vehicles) Independently Analyzed with Annual Sales Figures in Thousand Units for Years 2011 through 2015 (includes corresponding Graph/Chart)

**Table 141.** Rest of Asia-Pacific 14-Year Perspective for Lead Acid Batteries

(Automotive) by End-Use Segment - Percentage Breakdown of Volume Sales for Original Equipment Market (Motorcycles, Passenger Cars and Commercial Vehicles); and Aftermarket/Replacement Market (Motorcycles, Passenger Cars and Commercial Vehicles) for Years 2011, 2018 and 2024 (includes corresponding Graph/Chart)

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**Table 142.** Rest of Asia-Pacific Recent Past, Current & Future Analysis for Lead Acid Batteries (Automotive) by End-Use Segment - Original Equipment Market (Motorcycles, Passenger Cars and Commercial Vehicles); and Aftermarket/ Replacement Market (Motorcycles, Passenger Cars and Commercial Vehicles) Independently Analyzed with Annual Sales Figures in US\$ Million for Years 2016 through 2024 (includes corresponding Graph/Chart)

**Table 143.** Rest of Asia-Pacific Historic Review for Lead Acid Batteries (Automotive) by End-Use Segment - Original Equipment Market (Motorcycles, Passenger Cars and Commercial Vehicles); and Aftermarket/Replacement Market (Motorcycles, Passenger Cars and Commercial Vehicles) Independently Analyzed with Annual Sales Figures in US\$ Million for Years 2011 through 2015 (includes corresponding Graph/Chart)

**Table 144.** Rest of Asia-Pacific 14-Year Perspective for Lead Acid Batteries (Automotive) by End-Use Segment - Percentage Breakdown of Dollar Sales for Original Equipment Market (Motorcycles, Passenger Cars and Commercial Vehicles); and Aftermarket/Replacement Market (Motorcycles, Passenger Cars and Commercial Vehicles) for Years 2011, 2018 and 2024 (includes corresponding Graph/Chart)

## 7.6 Latin America

### A. Market Analysis

#### Current and Future Analysis

#### Volume Sales

#### Value Sales

### B. Market Analytics

#### Volume Analytics

**Table 145.** Latin American Recent Past, Current & Future Analysis for Lead Acid

Batteries (Automotive) by Geographic Region - Brazil, Mexico and Rest of Latin American Markets Independently Analyzed with Annual Sales Figures in Thousand Units for Years 2016 through 2024 (includes corresponding Graph/Chart)

**Table 146.** Latin American Historic Review for Lead Acid Batteries (Automotive) by Geographic Region - Brazil, Mexico and Rest of Latin American Markets Independently Analyzed with Annual Sales Figures in Thousand Units for Years 2011 through 2015 (includes corresponding Graph/Chart)

**Table 147.** Latin American 14-Year Perspective for Lead Acid Batteries (Automotive) by Geographic Region - Percentage Breakdown of Volume Sales for Brazil, Mexico and Rest of Latin American Markets for Years 2011, 2018 and 2024 (includes corresponding Graph/Chart)

**Table 148.** Latin American Recent Past, Current & Future Analysis for Lead Acid Batteries (Automotive) by End-Use Segment - Original Equipment Market (Motorcycles, Passenger Cars and Commercial Vehicles); and Aftermarket/Replacement Market (Motorcycles, Passenger Cars and Commercial Vehicles) Independently Analyzed with Annual Sales Figures in Thousand Units for Years 2016 through 2024 (includes corresponding Graph/Chart)

**Table 149.** Latin American Historic Review for Lead Acid Batteries (Automotive) by End-Use Segment - Original Equipment Market (Motorcycles, Passenger Cars and Commercial Vehicles); and Aftermarket/ Replacement Market (Motorcycles, Passenger Cars and Commercial Vehicles) Independently Analyzed with Annual Sales Figures in Thousand Units for Years 2011 through 2015 (includes corresponding Graph/Chart)

**Table 150.** Latin American 14-Year Perspective for Lead Acid Batteries (Automotive) by End-Use Segment - Percentage Breakdown of Volume Sales for Original Equipment Market (Motorcycles, Passenger Cars and Commercial Vehicles); and Aftermarket/Replacement Market (Motorcycles, Passenger Cars and Commercial Vehicles) for Years 2011, 2018 and 2024 (includes corresponding Graph/Chart)

## Value Analytics

**Table 151.** Latin American Recent Past, Current & Future Analysis for Lead Acid Batteries (Automotive) by Geographic Region - Brazil, Mexico and Rest of Latin

American Markets Independently Analyzed with Annual Sales Figures in US\$ Million for Years 2016 through 2024 (includes corresponding Graph/Chart)

**Table 152.** Latin American Historic Review for Lead Acid Batteries (Automotive) by Geographic Region - Brazil, Mexico and Rest of Latin American Markets Independently Analyzed with Annual Sales Figures in US\$ Million for Years 2011 through 2015 (includes corresponding Graph/Chart)

**Table 153.** Latin American 14-Year Perspective for Lead Acid Batteries (Automotive) by Geographic Region - Percentage Breakdown of Dollar Sales for Brazil, Mexico and Rest of Latin American Markets for Years 2011, 2018 and 2024 (includes corresponding Graph/Chart)

**Table 154.** Latin American Recent Past, Current & Future Analysis for Lead Acid Batteries (Automotive) by End-Use Segment - Original Equipment Market (Motorcycles, Passenger Cars and Commercial Vehicles); and Aftermarket/Replacement Market (Motorcycles, Passenger Cars and Commercial Vehicles) Independently Analyzed with Annual Sales Figures in US\$ Million for Years 2016 through 2024 (includes corresponding Graph/Chart)

**Table 155.** Latin American Historic Review for Lead Acid Batteries (Automotive) by End-Use Segment - Original Equipment Market (Motorcycles, Passenger Cars and Commercial Vehicles); and Aftermarket/Replacement Market (Motorcycles, Passenger Cars and Commercial Vehicles) Independently Analyzed with Annual Sales Figures in US\$ Million for Years 2011 through 2015 (includes corresponding Graph/Chart)

**Table 156.** Latin American 14-Year Perspective for Lead Acid Batteries (Automotive) by End-Use Segment - Percentage Breakdown of Dollar Sales for Original Equipment Market (Motorcycles, Passenger Cars and Commercial Vehicles); and Aftermarket/Replacement Market (Motorcycles, Passenger Cars and Commercial Vehicles) for Years 2011, 2018 and 2024 (includes corresponding Graph/Chart)

### 7.6.1 Brazil

#### A. Market Analysis

##### Current and Future Analysis

##### Volume Sales

##### Value Sales

#### B. Market Analytics

## Volume Analytics

**Table 157.** Brazilian Recent Past, Current & Future Analysis for Lead Acid Batteries (Automotive) by End-Use Segment - Original Equipment Market (Motorcycles, Passenger Cars and Commercial Vehicles); and Aftermarket/Replacement Market (Motorcycles, Passenger Cars and Commercial Vehicles) Independently Analyzed with Annual Sales Figures in Thousand Units for Years 2016 through 2024 (includes corresponding Graph/Chart)

**Table 158.** Brazilian Historic Review for Lead Acid Batteries (Automotive) by End-Use Segment - Original Equipment Market (Motorcycles, Passenger Cars and Commercial Vehicles); and Aftermarket/Replacement Market (Motorcycles, Passenger Cars and Commercial Vehicles) Independently Analyzed with Annual Sales Figures in Thousand Units for Years 2011 through 2015 (includes corresponding Graph/Chart)

**Table 159.** Brazilian 14-Year Perspective for Lead Acid Batteries (Automotive) by End-Use Segment - Percentage Breakdown of Volume Sales for Original Equipment Market (Motorcycles, Passenger Cars and Commercial Vehicles); and Aftermarket/Replacement Market (Motorcycles, Passenger Cars and Commercial Vehicles) for Years 2011, 2018 and 2024 (includes corresponding Graph/Chart)

## Value Analytics

**Table 160.** Brazilian Recent Past, Current & Future Analysis for Lead Acid Batteries (Automotive) by End-Use Segment - Original Equipment Market (Motorcycles, Passenger Cars and Commercial Vehicles); and Aftermarket/Replacement Market (Motorcycles, Passenger Cars and Commercial Vehicles) Independently Analyzed with Annual Sales Figures in US\$ Million for Years 2016 through 2024 (includes corresponding Graph/Chart)

**Table 161.** Brazilian Historic Review for Lead Acid Batteries (Automotive) by End-Use Segment - Original Equipment Market (Motorcycles, Passenger Cars and Commercial Vehicles); and Aftermarket/Replacement Market (Motorcycles, Passenger Cars and Commercial Vehicles) Independently Analyzed with Annual Sales Figures in US\$ Million for Years 2011 through 2015 (includes corresponding Graph/Chart)

**Table 162.** Brazilian 14-Year Perspective for Lead Acid Batteries (Automotive) by End-Use Segment - Percentage Breakdown of Dollar Sales for Original Equipment Market (Motorcycles, Passenger Cars and Commercial Vehicles); and Aftermarket/Replacement Market (Motorcycles, Passenger Cars and Commercial Vehicles) for Years 2011, 2018 and 2024 (includes corresponding Graph/Chart)

## 7.6.2 Mexico

### A. Market Analysis

#### Current and Future Analysis

##### Volume Sales

##### Value Sales

### B. Market Analytics

#### Volume Analytics

**Table 163.** Mexican Recent Past, Current & Future Analysis for Lead Acid Batteries (Automotive) by End-Use Segment - Original Equipment Market (Motorcycles, Passenger Cars and Commercial Vehicles); and Aftermarket/Replacement Market (Motorcycles, Passenger Cars and Commercial Vehicles) Independently Analyzed with Annual Sales Figures in Thousand Units for Years 2016 through 2024 (includes corresponding Graph/Chart)

**Table 164.** Mexican Historic Review for Lead Acid Batteries (Automotive) by End-Use Segment - Original Equipment Market (Motorcycles, Passenger Cars and Commercial Vehicles); and Aftermarket/ Replacement Market (Motorcycles, Passenger Cars and Commercial Vehicles) Independently Analyzed with Annual Sales Figures in Thousand Units for Years 2011 through 2015 (includes corresponding Graph/Chart)

**Table 165.** Mexican 14-Year Perspective for Lead Acid Batteries (Automotive) by End-Use Segment - Percentage Breakdown of Volume Sales for Original Equipment Market (Motorcycles, Passenger Cars and Commercial Vehicles); and Aftermarket/ Replacement Market (Motorcycles, Passenger Cars and Commercial Vehicles) for Years 2011, 2018 and 2024 (includes corresponding Graph/Chart)

#### Value Analytics

**Table 166.** Mexican Recent Past, Current & Future Analysis for Lead Acid Batteries (Automotive) by End-Use Segment - Original Equipment Market (Motorcycles, Passenger Cars and Commercial Vehicles); and Aftermarket/Replacement Market (Motorcycles, Passenger Cars and Commercial Vehicles) Independently Analyzed with Annual Sales Figures in US\$ Million for Years 2016 through 2024 (includes corresponding Graph/Chart)

**Table 167.** Mexican Historic Review for Lead Acid Batteries (Automotive) by End-Use Segment - Original Equipment Market (Motorcycles, Passenger Cars and Commercial Vehicles); and Aftermarket/Replacement Market (Motorcycles, Passenger Cars and Commercial Vehicles) Independently Analyzed with Annual Sales Figures in US\$ Million for Years 2011 through 2015 (includes corresponding Graph/Chart)

**Table 168.** Mexican 14-Year Perspective for Lead Acid Batteries (Automotive) by End-Use Segment - Percentage Breakdown of Dollar Sales for Original Equipment Market (Motorcycles, Passenger Cars and Commercial Vehicles); and Aftermarket/Replacement Market (Motorcycles, Passenger Cars and Commercial Vehicles) for Years 2011, 2018 and 2024 (includes corresponding Graph/Chart)

### 7.6.3 Rest of Latin America

#### A. Market Analysis

##### Current and Future Analysis

##### Volume Sales

##### Value Sales

#### B. Market Analytics

##### Volume Analytics

**Table 169.** Rest of Latin American Recent Past, Current & Future Analysis for Lead Acid Batteries (Automotive) by End-Use Segment - Original Equipment Market (Motorcycles, Passenger Cars and Commercial Vehicles); and Aftermarket/Replacement Market (Motorcycles, Passenger Cars and Commercial Vehicles) Independently Analyzed with Annual Sales Figures in Thousand Units for Years 2016 through 2024 (includes corresponding Graph/Chart)

**Table 170.** Rest of Latin American Historic Review for Lead Acid Batteries (Automotive) by End-Use Segment - Original Equipment Market (Motorcycles, Passenger Cars and Commercial Vehicles); and Aftermarket/Replacement Market (Motorcycles, Passenger



Cars and Commercial Vehicles) Independently Analyzed with Annual Sales Figures in Thousand Units for Years 2011 through 2015 (includes corresponding Graph/Chart)

**Table 171.** Rest of Latin American 14-Year Perspective for Lead Acid Batteries (Automotive) by End-Use Segment - Percentage Breakdown of Volume Sales for Original Equipment Market (Motorcycles, Passenger Cars and Commercial Vehicles); and Aftermarket/Replacement Market (Motorcycles, Passenger Cars and Commercial Vehicles) for Years 2011, 2018 and 2024 (includes corresponding Graph/Chart)

Value Analytics

**Table 172.** Rest of Latin American Recent Past, Current & Future Analysis for Lead Acid Batteries (Automotive) by End-Use Segment - Original Equipment Market (Motorcycles, Passenger Cars and Commercial Vehicles); and Aftermarket/Replacement Market (Motorcycles, Passenger Cars and Commercial Vehicles) Independently Analyzed with Annual Sales Figures in US\$ Million for Years 2016 through 2024 (includes corresponding Graph/Chart)

**Table 173.** Rest of Latin American Historic Review for Lead Acid Batteries (Automotive) by End-Use Segment - Original Equipment Market (Motorcycles, Passenger Cars and Commercial Vehicles); and Aftermarket/Replacement Market (Motorcycles, Passenger Cars and Commercial Vehicles) Independently Analyzed with Annual Sales Figures in US\$ Million for Years 2011 through 2015 (includes corresponding Graph/Chart)

**Table 174.** Rest of Latin American 14-Year Perspective for Lead Acid Batteries (Automotive) by End-Use Segment - Percentage Breakdown of Dollar Sales for Original Equipment Market (Motorcycles, Passenger Cars and Commercial Vehicles); and Aftermarket/Replacement Market (Motorcycles, Passenger Cars and Commercial Vehicles) for Years 2011, 2018 and 2024 (includes corresponding Graph/Chart)

7.7 Rest of World

A. Market Analysis

Current and Future Analysis

Volume Sales

Value Sales

B. Market Analytics

## Volume Analytics

**Table 175.** Rest of World Recent Past, Current & Future Analysis for Lead Acid Batteries (Automotive) by End-Use Segment - Original Equipment Market (Motorcycles, Passenger Cars and Commercial Vehicles); and Aftermarket/ Replacement Market (Motorcycles, Passenger Cars and Commercial Vehicles) Independently Analyzed with Annual Sales Figures in Thousand Units for Years 2016 through 2024 (includes corresponding Graph/Chart)

**Table 176.** Rest of World Historic Review for Lead Acid Batteries (Automotive) by End-Use Segment - Original Equipment Market (Motorcycles, Passenger Cars and Commercial Vehicles); and Aftermarket/Replacement Market (Motorcycles, Passenger Cars and Commercial Vehicles) Independently Analyzed with Annual Sales Figures in Thousand Units for Years 2011 through 2015 (includes corresponding Graph/Chart)

**Table 177.** Rest of World 14-Year Perspective for Lead Acid Batteries (Automotive) by End-Use Segment - Percentage Breakdown of Volume Sales for Original Equipment Market (Motorcycles, Passenger Cars and Commercial Vehicles); and Aftermarket/Replacement Market (Motorcycles, Passenger Cars and Commercial Vehicles) for Years 2011, 2018 and 2024 (includes corresponding Graph/Chart)

## Value Analytics

**Table 178.** Rest of World Recent Past, Current & Future Analysis for Lead Acid Batteries (Automotive) by End-Use Segment - Original Equipment Market (Motorcycles, Passenger Cars and Commercial Vehicles); and Aftermarket/Replacement Market (Motorcycles, Passenger Cars and Commercial Vehicles) Independently Analyzed with Annual Sales Figures in US\$ Million for Years 2016 through 2024 (includes corresponding Graph/Chart)

**Table 179.** Rest of World Historic Review for Lead Acid Batteries (Automotive) by End-Use Segment - Original Equipment Market (Motorcycles, Passenger Cars and Commercial Vehicles); and Aftermarket/Replacement Market (Motorcycles, Passenger Cars and Commercial Vehicles) Independently Analyzed with Annual Sales Figures in US\$ Million for Years 2011 through 2015 (includes corresponding Graph/Chart)

**Table 180.** Rest of World 14-Year Perspective for Lead Acid Batteries (Automotive) by End-Use Segment - Percentage Breakdown of Dollar Sales for Original Equipment Market (Motorcycles, Passenger Cars and Commercial Vehicles); and Aftermarket/Replacement Market (Motorcycles, Passenger Cars and Commercial Vehicles) for Years 2011, 2018 and 2024 (includes corresponding Graph/Chart)

## **8. COMPANY PROFILES**

Total Companies Profiled: 62 (including Divisions/Subsidiaries - 73)

The United States (15)

Japan (4)

Europe (15)

Germany (1)

The United Kingdom (3)

Italy (5)

Rest of Europe (6)

Asia-Pacific (Excluding Japan) (33)

Middle East (2)

Latin America (1)

Africa (3)

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