

Global Automotive Lead-acid Battery Market Analysis 2016-2020 and Forecast 2021-2026

https://marketpublishers.com/r/G7121DD2226EN.html

Date: March 2021 Pages: 94 Price: US\$ 2,980.00 (Single User License) ID: G7121DD2226EN

Abstracts

SNAPSHOT

The global Automotive Lead-acid Battery market size is estimated at xxx million USD with a CAGR xx% from 2016-2020 and is expected to reach xxx Million USD in 2021 with a CAGR xx% from 2021 to 2026. The report begins from overview of Industry Chain structure, and describes industry environment, then analyses market size and forecast of Automotive Lead-acid Battery by product, region and application, in addition, this report introduces market competition situation among the vendors and company profile, besides, market price analysis and value chain features are covered in this report.

Product Type Coverage (Market Size & Forecast, Major Company of Product Type etc.):

Dry-charged Battery

Maintenance-free Battery

Common lead-acid Battery

Company Coverage (Company Profile, Sales Revenue, Price, Gross Margin, Main Products etc.):

Johnson Controls



Delphi

Exide

GS Yuasa

SEBANG

Sail

Camel

Bosch

ACDelco

Kumho

Fiamm

Amara Raja

East Penn

Panasonic

XUPAI

LEOCH

Koyo Battery

Application Coverage (Market Size & Forecast, Different Demand Market by Region, Main Consumer Profile etc.):

Passenger Vehicle

Commercial Vehicle



Region Coverage (Regional Production, Demand & Forecast by Countries etc.):

North America (U.S., Canada, Mexico)

Europe (Germany, U.K., France, Italy, Russia, Spain etc.)

Asia-Pacific (China, India, Japan, Southeast Asia etc.)

South America (Brazil, Argentina etc.)

Middle East & Africa (Saudi Arabia, South Africa etc.)



Contents

1 INDUSTRY OVERVIEW

1.1 Automotive Lead-acid Battery Industry

Figure Automotive Lead-acid Battery Industry Chain Structure

- 1.1.1 Overview
- 1.1.2 Development of Automotive Lead-acid Battery
- 1.2 Market Segment
- 1.2.1 Upstream
- Table Upstream Segment of Automotive Lead-acid Battery
- 1.2.2 Downstream
- Table Application Segment of Automotive Lead-acid Battery

Table Global Automotive Lead-acid Battery Market 2016-2026, by Application, in USD Million

- 1.2.3 COVID-19 Impact
- 1.3 Cost Analysis

2 INDUSTRY ENVIRONMENT (PEST ANALYSIS)

- 2.1 Policy
- 2.2 Economics
- 2.3 Sociology
- 2.4 Technology

3 AUTOMOTIVE LEAD-ACID BATTERY MARKET BY TYPE

- 3.1 By Type
- 3.1.1 Dry-charged Battery

Table Major Company List of Dry-charged Battery

3.1.2 Maintenance-free Battery

Table Major Company List of Maintenance-free Battery

- 3.1.3 Common lead-acid Battery
- Table Major Company List of Common lead-acid Battery
- 3.2 Market Size

Table Global Automotive Lead-acid Battery Market 2016-2020, by Type, in USD Million Figure Global Automotive Lead-acid Battery Market Growth 2016-2020, by Type, in USD Million

Table Global Automotive Lead-acid Battery Market 2016-2020, by Type, in Volume



Figure Global Automotive Lead-acid Battery Market Growth 2016-2020, by Type, in Volume

3.3 Market Forecast

Table Global Automotive Lead-acid Battery Market Forecast 2021-2026, by Type, in USD Million

Table Global Automotive Lead-acid Battery Market Forecast 2021-2026, by Type, in Volume

4 MAJOR COMPANIES LIST

4.1 Johnson Controls (Company Profile, Sales Data etc.)

4.1.1 Johnson Controls Profile

Table Johnson Controls Overview List

4.1.2 Johnson Controls Products & Services

4.1.3 Johnson Controls Business Operation Conditions

Table Business Operation of Johnson Controls (Sales Revenue, Sales Volume, Price,

Cost, Gross Margin)

4.2 Delphi (Company Profile, Sales Data etc.)

4.2.1 Delphi Profile

Table Delphi Overview List

4.2.2 Delphi Products & Services

4.2.3 Delphi Business Operation Conditions

Table Business Operation of Delphi (Sales Revenue, Sales Volume, Price, Cost, Gross Margin)

4.3 Exide (Company Profile, Sales Data etc.)

4.3.1 Exide Profile

Table Exide Overview List

4.3.2 Exide Products & Services

4.3.3 Exide Business Operation Conditions

Table Business Operation of Exide (Sales Revenue, Sales Volume, Price, Cost, Gross Margin)

4.4 GS Yuasa (Company Profile, Sales Data etc.)

4.4.1 GS Yuasa Profile

Table GS Yuasa Overview List

4.4.2 GS Yuasa Products & Services

4.4.3 GS Yuasa Business Operation Conditions

Table Business Operation of GS Yuasa (Sales Revenue, Sales Volume, Price, Cost, Gross Margin)

4.5 SEBANG (Company Profile, Sales Data etc.)



4.5.1 SEBANG Profile Table SEBANG Overview List 4.5.2 SEBANG Products & Services 4.5.3 SEBANG Business Operation Conditions Table Business Operation of SEBANG (Sales Revenue, Sales Volume, Price, Cost, Gross Margin) 4.6 Sail (Company Profile, Sales Data etc.) 4.6.1 Sail Profile Table Sail Overview List 4.6.2 Sail Products & Services 4.6.3 Sail Business Operation Conditions Table Business Operation of Sail (Sales Revenue, Sales Volume, Price, Cost, Gross Margin) 4.7 Camel (Company Profile, Sales Data etc.) 4.7.1 Camel Profile Table Camel Overview List 4.7.2 Camel Products & Services 4.7.3 Camel Business Operation Conditions Table Business Operation of Camel (Sales Revenue, Sales Volume, Price, Cost, Gross Margin) 4.8 Bosch (Company Profile, Sales Data etc.) 4.8.1 Bosch Profile Table Bosch Overview List 4.8.2 Bosch Products & Services 4.8.3 Bosch Business Operation Conditions Table Business Operation of Bosch (Sales Revenue, Sales Volume, Price, Cost, Gross Margin) 4.9 ACDelco (Company Profile, Sales Data etc.) 4.9.1 ACDelco Profile Table ACDelco Overview List 4.9.2 ACDelco Products & Services 4.9.3 ACDelco Business Operation Conditions Table Business Operation of ACDelco (Sales Revenue, Sales Volume, Price, Cost, Gross Margin) 4.10 Kumho (Company Profile, Sales Data etc.) 4.10.1 Kumho Profile Table Kumho Overview List

- 4.10.2 Kumho Products & Services
- 4.10.3 Kumho Business Operation Conditions



Table Business Operation of Kumho (Sales Revenue, Sales Volume, Price, Cost, Gross Margin)

- 4.11 Fiamm (Company Profile, Sales Data etc.)
- 4.11.1 Fiamm Profile
- Table Fiamm Overview List
- 4.11.2 Fiamm Products & Services
- 4.11.3 Fiamm Business Operation Conditions

Table Business Operation of Fiamm (Sales Revenue, Sales Volume, Price, Cost, Gross Margin)

- 4.12 Amara Raja (Company Profile, Sales Data etc.)
- 4.12.1 Amara Raja Profile
- Table Amara Raja Overview List
- 4.12.2 Amara Raja Products & Services
- 4.12.3 Amara Raja Business Operation Conditions
- Table Business Operation of Amara Raja (Sales Revenue, Cost, Gross Margin)
- 4.13 East Penn (Company Profile, Sales Data etc.)
- 4.13.1 East Penn Profile
- Table East Penn Overview List
- 4.13.2 East Penn Products & Services
- 4.13.3 East Penn Business Operation Conditions
- Table Business Operation of East Penn (Sales Revenue, Sales Volume, Price, Cost, Gross Margin)
- 4.14 Panasonic (Company Profile, Sales Data etc.)
- 4.14.1 Panasonic Profile
- Table Panasonic Overview List
- 4.14.2 Panasonic Products & Services
- 4.14.3 Panasonic Business Operation Conditions
- Table Business Operation of Panasonic (Sales Revenue, Cost, Gross Margin)
- 4.15 XUPAI (Company Profile, Sales Data etc.)
- 4.15.1 XUPAI Profile
- Table XUPAI Overview List
- 4.15.2 XUPAI Products & Services
- 4.15.3 XUPAI Business Operation Conditions
- Table Business Operation of XUPAI (Sales Revenue, Cost, Gross Margin)
- 4.16 LEOCH (Company Profile, Sales Data etc.)
- 4.16.1 LEOCH Profile
- Table LEOCH Overview List
- 4.16.2 LEOCH Products & Services
- 4.16.3 LEOCH Business Operation Conditions



 Table Business Operation of LEOCH (Sales Revenue, Cost, Gross Margin)

4.17 Koyo Battery (Company Profile, Sales Data etc.)

4.17.1 Koyo Battery Profile

Table Koyo Battery Overview List

4.17.2 Koyo Battery Products & Services

4.17.3 Koyo Battery Business Operation Conditions

Table Business Operation of Koyo Battery (Sales Revenue, Cost, Gross Margin)

5 MARKET COMPETITION

5.1 Company Competition

Table Global Automotive Lead-acid Battery Sales Revenue 2016-2020, by Company, in USD Million

Table Global Automotive Lead-acid Battery Sales Revenue Share 2016-2020, by Company, in USD Million

Figure Global Automotive Lead-acid Battery Sales Revenue Share in 2020, by Company, in USD Million

Table Global Automotive Lead-acid Battery Sales Volume 2016-2020, by Company, in Volume

Table Global Automotive Lead-acid Battery Sales Volume Share 2016-2020, by Company, in Volume

Figure Global Automotive Lead-acid Battery Sales Volume Share in 2020, by Company, in Volume

5.2 Regional Market by Company

Figure North America Automotive Lead-acid Battery Market Concentration, in 2020 Figure Europe Automotive Lead-acid Battery Market Market Concentration, in 2020 Figure Asia-Pacific Automotive Lead-acid Battery MMarket Concentration, in 2020 Figure South America Automotive Lead-acid Battery Market Concentration, in 2020 Figure Middle East & Africa Automotive Lead-acid Battery Market Concentration, in 2020

6 DEMAND BY END MARKET

6.1 Demand Situation

6.1.1 Demand in Passenger Vehicle

Figure Automotive Lead-acid Battery Demand in Passenger Vehicle, 2016-2020, in USD Million

Figure Automotive Lead-acid Battery Demand in Passenger Vehicle, 2016-2020, in Volume



6.1.2 Demand in Commercial Vehicle

Figure Automotive Lead-acid Battery Demand in Commercial Vehicle, 2016-2020, in USD Million

Figure Automotive Lead-acid Battery Demand in Commercial Vehicle, 2016-2020, in Volume

6.2 Regional Demand Comparison

Table Regional Demand Comparison List

Table Major Application in Different Regions

6.3 Demand Forecast

Table Automotive Lead-acid Battery Demand Forecast 2021-2026, by Application, in USD Million

Figure Automotive Lead-acid Battery Market Growth 2021-2026, by Application, in USD Million

Figure Automotive Lead-acid Battery Market Share in 2026, by Application, in USD Million

Table Automotive Lead-acid Battery Demand Forecast 2021-2026, by Application, in Volume

Table Automotive Lead-acid Battery Market Growth 2021-2026, by Application, in Volume

Table Automotive Lead-acid Battery Market Share in 2026, by Application, in Volume 6.4 Impact of the COVID-19 on the Demand

7 REGION OPERATION

7.1 Regional Production

Table Automotive Lead-acid Battery Production 2016-2020, by Region, in USD Million Table Automotive Lead-acid Battery Production 2016-2020, by Region, in Volume 7.2 Regional Market

Table Global Automotive Lead-acid Battery Market 2016-2020, by Region, in USD Million

Table Global Automotive Lead-acid Battery Market Share 2016-2020, by Region, in USD Million

Table Global Automotive Lead-acid Battery Market 2016-2020, by Region, in Volume Table Global Automotive Lead-acid Battery Market Share 2016-2020, by Region, in Volume

7.3 by Region

7.3.1 North America

7.3.1.1 Overview

Figure North America Automotive Lead-acid Battery Market Size and Growth



2016-2020, in USD Million

Figure North America Automotive Lead-acid Battery Market Size and Growth 2016-2020, in Volume

7.3.1.2 by Country (U.S., Canada, Mexico)

Table North America Automotive Lead-acid Battery Market Size 2016-2020, by Country, in USD Million

Table North America Automotive Lead-acid Battery Market Size 2016-2020, by Country, in Volume

7.3.2 Europe

7.3.2.1 Overview

Figure Europe Automotive Lead-acid Battery Market Size and Growth 2016-2020, in USD Million

Figure Europe Automotive Lead-acid Battery Market Size and Growth 2016-2020, in Volume

7.3.2.2 by Country (Germany, U.K., France, Italy, Russia, Spain etc.)

Table Europe Automotive Lead-acid Battery Market Size 2016-2020, by Country, in USD Million

Table Europe Automotive Lead-acid Battery Market Size 2016-2020, by Country, in Volume

7.3.3 Asia-Pacific

7.3.3.1 Overview

Figure Asia-Pacific Automotive Lead-acid Battery Market Size and Growth 2016-2020, in USD Million

Figure Asia-Pacific Automotive Lead-acid Battery Market Size and Growth 2016-2020, in Volume

7.3.3.2 by Country (China, India, Japan, Southeast Asia etc.)

Table Asia-Pacific Automotive Lead-acid Battery Market Size 2016-2020, by Country, in USD Million

Table Asia-Pacific Automotive Lead-acid Battery Market Size 2016-2020, by Country, in Volume

7.3.4 South America

7.3.4.1 Overview

Figure South America Automotive Lead-acid Battery Market Size and Growth 2016-2020, in USD Million

Figure South America Automotive Lead-acid Battery Market Size and Growth 2016-2020, in Volume

7.3.4.2 by Country (Brazil, Argentina etc.)

Table South America Automotive Lead-acid Battery Market Size 2016-2020, by Country, in USD Million



Table South America Automotive Lead-acid Battery Market Size 2016-2020, by Country, in Volume 7.3.5 Middle East & Africa 7.3.5.1 Overview Figure Middle East & Africa Automotive Lead-acid Battery Market Size and Growth 2016-2020, in USD Million Figure Middle East & Africa Automotive Lead-acid Battery Market Size and Growth 2016-2020, in Volume 7.3.5.2 by Country (Saudi Arabia, South Africa etc.) Table Middle East & Africa Automotive Lead-acid Battery Market Size 2016-2020, by Country, in USD Million Table Middle East & Africa Automotive Lead-acid Battery Market Size 2016-2020, by Country, in Volume 7.4 Regional Import & Export 7.5 Regional Forecast Table Automotive Lead-acid Battery Market Forecast 2021-2026, by Region, in USD Million Table Automotive Lead-acid Battery Market Forecast 2021-2026, by Region, in Volume

8 MARKETING & PRICE

8.1 Price and Margin 8.1.1 Price Trends 8.1.2 Factors of Price Change Table Price Factors List 8.1.3 Manufacturers Gross Margin Analysis 8.2 Marketing Channel Figure Marketing Channels Overview

9 RESEARCH CONCLUSION



List Of Tables

LIST OF TABLES

- 1. Table Upstream Segment of Automotive Lead-acid Battery
- 2. Table Application Segment of Automotive Lead-acid Battery

3. Table Global Automotive Lead-acid Battery Market 2016-2026, by Application, in USD Million

4. Table Major Company List of Maintenance-free Battery

- 5. Table Major Company List of Common lead-acid Battery
- 6. Table Global Automotive Lead-acid Battery Market 2016-2020, by Type, in USD Million
- 7. Table Global Automotive Lead-acid Battery Market 2016-2020, by Type, in Volume

8. Table Global Automotive Lead-acid Battery Market Forecast 2021-2026, by Type, in USD Million

9. Table Global Automotive Lead-acid Battery Market Forecast 2021-2026, by Type, in Volume

- 10. Table Johnson Controls Overview List
- 11. Table Business Operation of Johnson Controls (Sales Revenue, Sales Volume,

Price, Cost, Gross Margin)

- 12. Table Delphi Overview List
- 13. Table Business Operation of Delphi (Sales Revenue, Sales Volume, Price, Cost, Gross Margin)
- 14. Table Exide Overview List

15. Table Business Operation of Exide (Sales Revenue, Sales Volume, Price, Cost, Gross Margin)

16. Table GS Yuasa Overview List

17. Table Business Operation of GS Yuasa (Sales Revenue, Sales Volume, Price, Cost, Gross Margin)

18. Table SEBANG Overview List

19. Table Business Operation of SEBANG (Sales Revenue, Sales Volume, Price, Cost, Gross Margin)

- 20. Table Sail Overview List
- 21. Table Business Operation of Sail (Sales Revenue, Sales Volume, Price, Cost, Gross Margin)
- 22. Table Camel Overview List
- 23. Table Business Operation of Camel (Sales Revenue, Sales Volume, Price, Cost, Gross Margin)
- 24. Table Bosch Overview List
- 25. Table Business Operation of Bosch (Sales Revenue, Sales Volume, Price, Cost,



Gross Margin)

26. Table ACDelco Overview List

27. Table Business Operation of ACDelco (Sales Revenue, Sales Volume, Price, Cost, Gross Margin)

28. Table Kumho Overview List

29. Table Business Operation of Kumho (Sales Revenue, Sales Volume, Price, Cost, Gross Margin)

30. Table Fiamm Overview List

31. Table Business Operation of Fiamm (Sales Revenue, Sales Volume, Price, Cost, Gross Margin)

- 32. Table Amara Raja Overview List
- 33. Table Business Operation of Amara Raja (Sales Revenue, Cost, Gross Margin)
- 34. Table East Penn Overview List

35. Table Business Operation of East Penn (Sales Revenue, Sales Volume, Price, Cost, Gross Margin)

- 36. Table Panasonic Overview List
- 37. Table Business Operation of Panasonic (Sales Revenue, Cost, Gross Margin)
- 38. Table XUPAI Overview List
- 39. Table Business Operation of XUPAI (Sales Revenue, Cost, Gross Margin)
- 40. Table LEOCH Overview List
- 41. Table Business Operation of LEOCH (Sales Revenue, Cost, Gross Margin)
- 42. Table Koyo Battery Overview List
- 43. Table Business Operation of Koyo Battery (Sales Revenue, Cost, Gross Margin)

44. Table Global Automotive Lead-acid Battery Sales Revenue 2016-2020, by Company, in USD Million

45. Table Global Automotive Lead-acid Battery Sales Revenue Share 2016-2020, by Company, in USD Million

46. Table Global Automotive Lead-acid Battery Sales Volume 2016-2020, by Company, in Volume

47. Table Global Automotive Lead-acid Battery Sales Volume Share 2016-2020, by Company, in Volume

- 48. Table Regional Demand Comparison List
- 49. Table Major Application in Different Regions

50. Table Automotive Lead-acid Battery Demand Forecast 2021-2026, by Application, in USD Million

51. Table Automotive Lead-acid Battery Demand Forecast 2021-2026, by Application, in Volume

52. Table Automotive Lead-acid Battery Market Growth 2021-2026, by Application, in Volume



53. Table Automotive Lead-acid Battery Market Share in 2026, by Application, in Volume

54. Table Automotive Lead-acid Battery Production 2016-2020, by Region, in USD Million

55. Table Automotive Lead-acid Battery Production 2016-2020, by Region, in Volume

56. Table Global Automotive Lead-acid Battery Market 2016-2020, by Region, in USD Million

57. Table Global Automotive Lead-acid Battery Market Share 2016-2020, by Region, in USD Million

58. Table Global Automotive Lead-acid Battery Market 2016-2020, by Region, in Volume

59. Table Global Automotive Lead-acid Battery Market Share 2016-2020, by Region, in Volume

60. Table North America Automotive Lead-acid Battery Market Size 2016-2020, by Country, in USD Million

61. Table North America Automotive Lead-acid Battery Market Size 2016-2020, by Country, in Volume

62. Table Europe Automotive Lead-acid Battery Market Size 2016-2020, by Country, in USD Million

63. Table Europe Automotive Lead-acid Battery Market Size 2016-2020, by Country, in Volume

64. Table Asia-Pacific Automotive Lead-acid Battery Market Size 2016-2020, by Country, in USD Million

65. Table Asia-Pacific Automotive Lead-acid Battery Market Size 2016-2020, by Country, in Volume

66. Table South America Automotive Lead-acid Battery Market Size 2016-2020, by Country, in USD Million

67. Table South America Automotive Lead-acid Battery Market Size 2016-2020, by Country, in Volume

68. Table Middle East & Africa Automotive Lead-acid Battery Market Size 2016-2020, by Country, in USD Million

69. Table Middle East & Africa Automotive Lead-acid Battery Market Size 2016-2020, by Country, in Volume

70. Table Automotive Lead-acid Battery Market Forecast 2021-2026, by Region, in USD Million

71. Table Automotive Lead-acid Battery Market Forecast 2021-2026, by Region, in Volume

72. Table Price Factors List



List Of Figures

LIST OF FIGURES

1. Figure Automotive Lead-acid Battery Industry Chain Structure

2. Figure Global Automotive Lead-acid Battery Market Growth 2016-2020, by Type, in USD Million

3. Figure Global Automotive Lead-acid Battery Market Growth 2016-2020, by Type, in Volume

4. Figure Global Automotive Lead-acid Battery Sales Revenue Share in 2020, by Company, in USD Million

5. Figure Global Automotive Lead-acid Battery Sales Volume Share in 2020, by Company, in Volume

6. Figure North America Automotive Lead-acid Battery Market Concentration, in 2020

7. Figure Europe Automotive Lead-acid Battery Market Market Concentration, in 2020

8. Figure Asia-Pacific Automotive Lead-acid Battery MMarket Concentration, in 2020

9. Figure South America Automotive Lead-acid Battery Market Concentration, in 2020
 10. Figure Middle East & Africa Automotive Lead-acid Battery Market Concentration, in 2020

11. Figure Automotive Lead-acid Battery Demand in Passenger Vehicle, 2016-2020, in USD Million

12. Figure Automotive Lead-acid Battery Demand in Passenger Vehicle, 2016-2020, in Volume

13. Figure Automotive Lead-acid Battery Demand in Commercial Vehicle, 2016-2020, in USD Million

14. Figure Automotive Lead-acid Battery Demand in Commercial Vehicle, 2016-2020, in Volume

15. Figure Automotive Lead-acid Battery Market Growth 2021-2026, by Application, in USD Million

16. Figure Automotive Lead-acid Battery Market Share in 2026, by Application, in USD Million

17. Figure North America Automotive Lead-acid Battery Market Size and Growth 2016-2020, in USD Million

18. Figure North America Automotive Lead-acid Battery Market Size and Growth 2016-2020, in Volume

19. Figure Europe Automotive Lead-acid Battery Market Size and Growth 2016-2020, in USD Million

20. Figure Europe Automotive Lead-acid Battery Market Size and Growth 2016-2020, in Volume

21. Figure Asia-Pacific Automotive Lead-acid Battery Market Size and Growth



2016-2020, in USD Million

22. Figure Asia-Pacific Automotive Lead-acid Battery Market Size and Growth 2016-2020, in Volume

23. Figure South America Automotive Lead-acid Battery Market Size and Growth 2016-2020, in USD Million

24. Figure South America Automotive Lead-acid Battery Market Size and Growth 2016-2020, in Volume

25. Figure Middle East & Africa Automotive Lead-acid Battery Market Size and Growth 2016-2020, in USD Million

26. Figure Middle East & Africa Automotive Lead-acid Battery Market Size and Growth 2016-2020, in Volume

27. Figure Marketing Channels Overview



I would like to order

Product name: Global Automotive Lead-acid Battery Market Analysis 2016-2020 and Forecast 2021-2026

Product link: https://marketpublishers.com/r/G7121DD2226EN.html

Price: US\$ 2,980.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service: info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <u>https://marketpublishers.com/r/G7121DD2226EN.html</u>

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

Custumer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <u>https://marketpublishers.com/docs/terms.html</u>

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



Global Automotive Lead-acid Battery Market Analysis 2016-2020 and Forecast 2021-2026