

Aircraft Battery Market Size Worth USD 1065.6 Million, Globally, by 2030 – Growth Report by Emergen Research

Increasing electrification of aircraft is a significant factor driving global aircraft battery market revenue growth

VANCOUVER, BC, CANADA, January 3, 2023 /EINPresswire.com/ -- The global [aircraft battery market](#) size is expected to reach USD 1065.6 Million at a steady revenue CAGR of 13.7% in 2030, according to the latest analysis by Emergen Research. Increasing deliveries of commercial and military aircraft globally can be attributed to the steady market revenue growth of aircraft batteries. For instance, with 611 jet deliveries in 2021, Airbus will continue to hold the title of greatest commercial aircraft manufacturer since 2003. In 2021, their primary rival Boeing increased the globe's fleet of aircraft by 340 jets.



Emergen Research Logo



Market Size – USD 332.9 Million in 2021, Market Growth – at a CAGR of 13.7%, Market Trends – Increasing deliveries of commercial and military aircraft globally”

Emergen Research

Boeing and Airbus are the two main manufacturers of airplanes globally. Both businesses manufacture military aircraft, rockets, satellites, communications gear, and missiles in addition to commercial aircraft. The United States accounts for more than half of Boeing's sales, with its commercial aircraft segment accounting for almost a third of total revenue. Despite having a smaller market share in North America, Airbus is more prevalent than Boeing in Europe and the Asia-Pacific area. The majority of the commercial aircraft produced by Airbus cost between USD 32 and USD 170 million each.

Market Size – USD 332.9 Million in 2021, Market Growth – at a CAGR of 13.7%, Market Trends – Increasing deliveries of commercial and military aircraft globally

A recent trend in the market is the introduction of Advanced Air Mobility (AAM). AAM is a brand-new idea in aviation that uses electric Vertical Takeoff and Landing (eVTOL) aircraft to carry passengers and freight between locations that are not currently or conveniently covered by existing aviation modes or surface transit. Hybrid electric systems, batteries, or maybe hydrogen fuel cells could power EVTOL aircraft. Urban Air Mobility (UAM) is another name for AAM, even though this mode of transportation can have uses outside of densely populated areas. Cities, underserved areas, and remote locations will now have access to these aircraft, which will come in a variety of sizes, from single-passenger planes to big shuttles.

The major companies Covered in the report are:

SAFT, Teledyne Technologies Incorporated, Concorde Battery, EnerSys, EaglePicher Technologies, GS Yuasa International Ltd., Electric Power Systems, Customcells, MGM Compro, Amprius Technologies

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Includes Tables and figures have been updated

The most recent version of the report includes the Top Market Players, their Business Strategies, Sales Volume, and Revenue Analysis

Competitive Landscape:

The market intelligence report on the Aircraft Battery Market Industry also includes an extensive investigation of the competitive landscape. It assesses the business and marketing strategies expected to be present in the market through the forecast years. It also includes an investigation

of the recent advancements and other factors driving the growth of the overall market to help comprehend the progress of the companies in the coming years.

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For the purpose of this report, Emergen Research has segmented the global aircraft battery market on the basis of offering, aircraft technology, application, and region:

Offering Outlook (Revenue, USD Million; 2019–2030)

Battery Type

Battery Management System

Service

Aircraft Technology Outlook (Revenue, USD Million; 2019–2030)

Traditional Aircraft

Hybrid Aircraft

More Electric Aircraft

Electric Aircraft

Application Outlook (Revenue, USD Million; 2019–2030)

Propulsion

Auxiliary Power Unit

Emergency

Flight Deck & Flight Control

Navigation & Communication

Cabin & Cargo Environment Control

Regional Outlook (Revenue, USD Million; 2022-2030)

North America

U.S.

Canada

Mexico

Europe

Germany

U.K.

France

Italy

Spain

Sweden

BENELUX

Rest of Europe

Asia Pacific

China

India

Japan

South Korea

Rest of APAC

Latin America

Brazil

Rest of LATAM

Middle East & Africa

Saudi Arabia

UAE

South Africa

Israel

Rest of MEA

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Key highlights of this research report:

On 10 October 2022, researchers believe that a new class of highly effective batteries developed by NASA can be utilized to power fully electric aircraft. Following research into solid-state batteries, which carry more energy and are lighter than industry-standard lithium-ion batteries, the U.S. space agency made the breakthrough. In addition to being less prone to overheating, fire, and charge loss over time, solid-state batteries also perform better in demanding conditions. Nevertheless, they frequently cannot discharge energy at the same rate as li-ion batteries.

The battery type segment is expected to lead in terms of revenue share in the global market over the forecast period. Using multiple battery types has several advantages. Similar to other technologies, batteries have advanced significantly in recent years. However, conventional technologies such as Lithium-Ion (Li-Ion), nickel-cadmium, and valve-regulated lead-acid are still the three most often used current ones. The most established type of battery is a lead-acid battery. They are the most reasonably priced, the most dependable, and, most significantly, they have acquired the moniker ' maintenance-free batteries' since they do not require routine electrolyte level checks. They frequently experience corrosion problems while being used, and owing to their flammability, there are important safety considerations to be made due to the presence of acid. Valve-Regulated Lead-Acid (VRLA) batteries are extensively used in general aviation, light military aircraft, and even helicopters.

The traditional aircraft segment is expected to account for a large revenue share over the forecast period. In typical aircraft, pumps and generators provide pneumatic, hydraulic, and electrical power directly to the main engine, wing de-icing systems, and cabin. In in-flight management, actuators serve as a significant representation of hydraulic loads. As a result, aircraft batteries are frequently utilized in conventional airplanes for all of these purposes.

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