

Aerospace & Defense Battery Market by Aircraft Type (Narrow-Body Aircraft, Wide-Body Aircraft, Very Large Aircraft, Regional Aircraft, General Aviation, Helicopter, and Military Aircraft), by Battery Type (Nickel-Cadmium Battery, Lithium-Ion Battery, and Lead-Acid Battery), by Sales Channel (Direct Sales and Distributors), and by Region (NA, Europe, Asia-Pacific, and Rest of the World), Trend, Forecast, Competitive Analysis, and Growth Opportunity: 2018-2023

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Abstracts

This is the ONGOING report. If ordered it could be delivered in 2-3 weeks timeframe.

This report, from Stratview Research, studies the global aerospace & defense battery market over the trend period of 2012 to 2017 and the forecast period of 2018 to 2023. The report provides detailed insights on the market dynamics to enable informed business decision making and growth strategy formulation based on the opportunities present in the market.

The Global Aerospace & Defense Battery Market: Highlights

The global aerospace & defense battery market is forecasted to reach US\$ 211.8 million in 2023. Increasing production rates of major aircraft, such as B737, B787, A320, and A350XWB; an expected entry of upcoming aircraft, such as MRJ and C919; growing aircraft fleet size, and an advancement in technology are the key growth drivers

of the global aerospace & defense battery market.

Batteries are used mainly for power backup and emergency systems, starting the engine and auxiliary power units, and flight preparation in the aerospace & defense industry. They play a very crucial role as they supply power to the aircraft in the case of power failure. Batteries in the aircraft must be reliable, durable, lower in maintenance, low weight, lower in the cost of ownership, and have an extended life. Nickel-Cadmium, Lead-Acid, and Lithium-Ion are the types of batteries used in the aerospace & defense industry. The industry is witnessing a gradual transition from the nickel-cadmium and lead-acid batteries to lithium-ion batteries.

Based on the aircraft type, the global aerospace & defense battery market is segmented as Narrow-Body Aircraft, Wide-Body Aircraft, Very Large Aircraft, Regional Aircraft, General Aviation, Helicopter, and Military Aircraft. The narrow-body aircraft is expected to remain the largest segment of the global aerospace & defense battery market during the forecast period of 2018 to 2023. High production rates of major aircraft (B737 and A320 family); introduction of fuel-efficient variants of major narrow-body aircraft (B737 Max and A320neo); upcoming aircraft programs, such as C919 and MC-21; and growing fleet size are the major factors driving the demand for batteries in the segment. Wide-body aircraft is projected to witness the highest growth during the same period, driven by increased deliveries of B787 and A350XWB aircraft and upcoming variants of the major aircraft, such as B777x and A330neo.

Based on the battery type, the global aerospace & defense battery market is segmented as Nickel-Cadmium Battery, Lithium-Ion Battery, and Lead-Acid Battery. Nickel-Cadmium is projected to remain the largest battery type in the global aerospace & defense industry during the forecast period, whereas lithium-ion is likely to be the fastest-growing battery type during the same period. All major commercial and regional aircraft rely on nickel-based batteries, whereas general aviation mainly relies on lead-acid batteries. All major aircraft manufacturers have started opting lithium-ion batteries in their next-generation aircraft, such as B787, A350XWB, and F35.

North America is expected to remain the largest market for batteries in the aerospace & defense industry during the forecast period. The region is the manufacturing capital of commercial, regional, business jets, and military aircraft. The region also holds one of the largest commercial aircraft fleet size worldwide. Asia-Pacific is projected to grow at the highest rate over the next five years, driven by China, India, and Japan. High demand for commercial aircraft to support rising passenger traffic, increasing defense spending, and upcoming commercial and regional aircraft, such as C919 and MRJ are

the major growth drivers of the region.

The supply chain of this market comprises raw material suppliers, battery manufacturers, aircraft OEMs, distributors, and airline companies. The key aerospace OEMs are Boeing, Airbus, Bombardier, Lockheed Martin, Embraer, ATR, and Mitsubishi Heavy Industries and key airline companies are Lufthansa, Delta Air, Air China, and Singapore Airlines. The global battery market in the aerospace & defense industry is a highly consolidated with the presence of less than a dozen player. The key battery manufacturers are Saft Groupe S.A., GS Yuasa Corporation, Concorde Aircraft Batteries, Securplane Technologies Inc., and EnerSys. New product development and long-term contracts with customers are the key strategies adopted by the major players to gain a competitive edge in the market.

Research Methodology

This report offers high-quality insights and is the outcome of detailed research methodology comprising extensive secondary research, rigorous primary interviews with industry stakeholders and validation and triangulation with Stratview Research's internal database and statistical tools. More than 800 authenticated secondary sources, such as company annual reports, fact book, press release, journals, investor presentation, white papers, patents, and articles have been leveraged to gather the data. About 10 detailed primary interviews with the market players across the value chain in all four regions and with industry experts have been executed to obtain both qualitative and quantitative insights.

Report Features

This report provides market intelligence in the most comprehensive way. The report structure has been kept such that it offers maximum business value. It provides critical insights on the market dynamics and will enable strategic decision making for the existing market players as well as those willing to enter the market. The following are the key features of the report:

Market structure: Overview, industry life cycle analysis, supply chain analysis

Market environment analysis: Growth drivers and constraints, Porter's five forces analysis, SWOT analysis

Market trend and forecast analysis

Lithium-Ion Battery (Regional Analysis: NA, Europe, APAC, and RoW)

Global Aerospace & Defense Battery Market by Sales Channel Type:

Direct Sales (Regional Analysis: NA, Europe, APAC, and RoW)

Distributor Sales (Regional Analysis: NA, Europe, APAC, and RoW)

Global Aerospace & Defense Battery Market by Region:

North America (Country Analysis: The USA, Canada, and Mexico)

Europe (Country Analysis: Germany, France, The UK, Russia, and Rest of Europe)

Asia-Pacific (Country Analysis: China, Japan, India, and Rest of Asia-Pacific)

Rest of the world (Country Analysis: Latin America, The Middle East, and Others)

Report Customization Options

With this detailed report, Stratview Research offers one of the following free customization options to our respectable clients:

Company Profiling

Detailed profiling of additional market players (up to 3 players)

SWOT analysis of key players (up to 3 players)

Regional Segmentation

Current market segmentation of any one of the regions by battery type

Aerospace & Defense Battery Market by Aircraft Type (Narrow-Body Aircraft, Wide-Body Aircraft, Very Large Airc...

Competitive Benchmarking

Benchmarking of key players on the following parameters: Product portfolio, geographical reach, regional presence, and strategic alliances

Custom Research: Stratview research offers custom research services across sectors. In case of any custom research requirement related to market assessment, competitive benchmarking, sourcing and procurement, target screening, and others, please send your inquiry at sales@stratviewresearch.com.

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