

# Global Aircraft Electrical System Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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## Abstracts

According to our (Global Info Research) latest study, the global Aircraft Electrical System market size was valued at USD 19400 million in 2023 and is forecast to a readjusted size of USD 26290 million by 2030 with a CAGR of 4.4% during review period.

Aircraft electrical systems generate, distribute, and regulate power throughout the aircraft. The system mainly consists of power sources like batteries and generators, components like conversion devices, control devices, and protection devices, and power distribution systems that include busbar systems, cables, and wires. The electrical loads in an aircraft are mainly avionics, lighting systems, heating systems, and motors. The performance of an aircraft depends on the reliability and efficiency of electrical systems and subsystems, as modern aircraft largely rely on electrical power for both flight-critical and non-flight critical applications.

Based on technology, the energy storage device segment is projected to grow at the highest CAGR from 2018 to 2023. The expected growth in this segment is attributed to the drop in prices of the lithium-ion battery technology and the rise in the development of aircraft with more electrical systems.

The Global Info Research report includes an overview of the development of the Aircraft Electrical System industry chain, the market status of Aircraft Utility Management (Power Generation, Power Conversion), Configuration Management (Power Generation, Power Conversion), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Aircraft Electrical System.

Regionally, the report analyzes the Aircraft Electrical System markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Aircraft Electrical System market, with robust domestic demand, supportive policies, and a strong manufacturing base.

#### Key Features:

The report presents comprehensive understanding of the Aircraft Electrical System market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Aircraft Electrical System industry.

The report involves analyzing the market at a macro level:

**Market Sizing and Segmentation:** Report collect data on the overall market size, including the sales quantity (Units), revenue generated, and market share of different by Type (e.g., Power Generation, Power Conversion).

**Industry Analysis:** Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Aircraft Electrical System market.

**Regional Analysis:** The report involves examining the Aircraft Electrical System market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

**Market Projections:** Report covers the gathered data and analysis to make future projections and forecasts for the Aircraft Electrical System market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Aircraft Electrical System:

**Company Analysis:** Report covers individual Aircraft Electrical System manufacturers, suppliers, and other relevant industry players. This analysis includes studying their

financial performance, market positioning, product portfolios, partnerships, and strategies.

**Consumer Analysis:** Report covers data on consumer behaviour, preferences, and attitudes towards Aircraft Electrical System. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Aircraft Utility Management, Configuration Management).

**Technology Analysis:** Report covers specific technologies relevant to Aircraft Electrical System. It assesses the current state, advancements, and potential future developments in Aircraft Electrical System areas.

**Competitive Landscape:** By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the Aircraft Electrical System market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

**Market Validation:** The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

## Market Segmentation

Aircraft Electrical System market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

### Market segment by Type

Power Generation

Power Conversion

Power Distribution

Energy Storage Device

### Market segment by Application

Aircraft Utility Management

Configuration Management

Flight Control & Operations

Power Generation Management

#### Major players covered

Honeywell

Zodiac Aerospace

Thales

United Technologies Corporation(UTC)

Safran

Astronics

Crane Aerospace & Electronics

Fokker Technologies

GE Aviation

#### Market segment by region, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Aircraft Electrical System product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Aircraft Electrical System, with price, sales, revenue and global market share of Aircraft Electrical System from 2019 to 2024.

Chapter 3, the Aircraft Electrical System competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Aircraft Electrical System breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2023. and Aircraft Electrical System market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

Chapter 12, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Aircraft Electrical System.

Chapter 14 and 15, to describe Aircraft Electrical System sales channel, distributors, customers, research findings and conclusion.

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