

# Global eVTOL Flight Power System Market 2026 by Company, Regions, Type and Application, Forecast to 2032

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## Abstracts

According to our (Global Info Research) latest study, the global eVTOL Flight Power System market size was valued at US\$ 633 million in 2025 and is forecast to a readjusted size of US\$ 1018 million by 2032 with a CAGR of 7.0% during review period.

An eVTOL Flight Power System is the integrated system that generates, stores, manages, and distributes electrical energy required for the propulsion and flight operation of electric vertical takeoff and landing aircraft. It typically includes key components such as energy sources (battery packs, hybrid generators, or fuel cells), power management and distribution units, inverters or motor controllers, electric propulsion motors, and related control electronics. The system regulates power flow between the energy source and multiple propulsion units, ensuring stable thrust generation during vertical takeoff, transition, cruise, and landing phases. Designed for high power density, reliability, and efficiency, the eVTOL flight power system is a critical subsystem that enables safe and sustained electric flight in advanced air mobility applications. eVTOL Flight Power Systems typically range in price from about \$1,000 for small prototype propulsion units to over \$100,000 for high-power aviation-grade systems, with the total propulsion system cost per aircraft often reaching hundreds of thousands of dollars depending on power level and configuration.

The upstream supply chain of the eVTOL Flight Power System mainly includes suppliers of key components and technologies such as high-performance batteries or fuel cells, electric motors, power electronics devices including inverters and power semiconductors, electronic control units, sensors, and structural materials, as well as semiconductor manufacturing and advanced materials providers that support these components. The midstream consists of companies that design and integrate the flight

power system, combining energy sources, power management and distribution units, motor controllers, and propulsion motors into a complete electrical propulsion architecture. Downstream applications are primarily within the eVTOL aircraft industry, where these systems are integrated by aircraft manufacturers for use in urban air mobility, regional air transportation, cargo logistics, emergency medical services, and other advanced air mobility operations requiring electric vertical takeoff and landing capability.

The eVTOL Flight Power System market is expected to grow rapidly as the advanced air mobility industry moves from prototype development toward early commercialization and scaled aircraft production. These systems are a critical subsystem in eVTOL aircraft, integrating energy storage, electric propulsion, and power management technologies that enable vertical takeoff, transition, and cruise flight. Market growth is driven by increasing investment in urban air mobility programs, technological advances in high-energy batteries and high-power electric motors, and the participation of major aerospace and technology companies in electrified aviation. As aircraft production volumes increase and propulsion technologies mature, flight power systems are expected to evolve toward higher power density, improved efficiency, and greater system integration, making them a key enabling technology for the long-term expansion of electric aviation and next-generation air transportation.

The eVTOL Flight Power System market report provides a detailed analysis of global market size, regional and country-level market size, segmentation market growth, market share, competitive Landscape, sales analysis, impact of domestic and global market players, value chain optimization, trade regulations, recent developments, opportunities analysis, strategic market growth analysis, product launches, area marketplace expanding, and technological innovations.

## Market segmentation

eVTOL Flight Power System market is split by Type and by Application. For the period 2026-2032, the growth among segments provide accurate calculations and forecasts for revenue by Type and by Application. This analysis can help you expand your business by targeting qualified niche markets.

### Market segment by Type,

All-electric

Hybrid-electric

Hydrogen-electric

#### Market segment by Application Power

Low-Power Systems

Medium-Power Systems

High-Power Systems

#### Market segment by Application

Civil

Military

#### Market segment by players, this report covers

Safran

Honeywell Aerospace

Collins Aerospace

Nidec Aerospace

Silver Atena

Equipmake

ZeroAvia

MagniX

H3X Technologies

H55

Whisper Aero

Evolito

MGM COMPRO

EMRAX

MAGicALL

Geiger Engineering

Greenjets

Hobbywing

Wolong Electric Group

Sanrui Intelligence

Market segment by regions, regional analysis covers

North America

Europe

Asia-Pacific (China, Japan, South Korea, Rest of Asia)

South America

Middle East & Africa

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