

# Global Multi-rotor UAV Power System Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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## Abstracts

According to our (Global Info Research) latest study, the global Multi-rotor UAV Power System market size was valued at US\$ 5937 million in 2025 and is forecast to a readjusted size of US\$ 13995 million by 2032 with a CAGR of 13.0% during review period.

In 2025, global Multi-rotor UAV Power System production reached approximately 3.85 million units , with an average global market price of around US\$1.5k per unit.

A Multirotor UAV Power System is the core system that provides lift and propulsion for multirotor drones. It typically consists of brushless motors, electronic speed controllers (ESCs), propellers, batteries (usually lithium-based), and power management modules. By coordinating multiple motors, the system generates lift and enables precise control of flight attitude and movement. The motors drive propellers at high speed to produce thrust, while varying motor speeds allows hovering, ascent/descent, and directional control. Key features include simple structure, fast response, high control precision, and low maintenance cost, making it widely used in consumer drones, industrial inspection, aerial photography, agriculture, and logistics.

The upstream of multirotor UAV power systems includes raw materials and key components such as permanent magnets (NdFeB), electronic components (MOSFETs, capacitors), lithium battery materials, and structural materials like carbon fiber and engineering plastics. Representative companies include TDK, Panasonic, and Toray Industries. The midstream consists of power system and drone manufacturers such as DJI, T-Motor, and Ligpower. Downstream applications span aerial photography, agriculture, security, power inspection, and logistics, with companies such as Amazon

and Zipline driving commercialization.

This report is a detailed and comprehensive analysis for global Multi-rotor UAV Power System market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

### **Key Features:**

Global Multi-rotor UAV Power System market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Multi-rotor UAV Power System market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Multi-rotor UAV Power System market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Multi-rotor UAV Power System market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2021-2026

### **The Primary Objectives in This Report Are:**

- To determine the size of the total market opportunity of global and key countries
- To assess the growth potential for Multi-rotor UAV Power System
- To forecast future growth in each product and end-use market
- To assess competitive factors affecting the marketplace

This report profiles key players in the global Multi-rotor UAV Power System market based on the following parameters - company overview, sales quantity, revenue, price,

gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Orbital UAV, Maxon, Plettenberg, KDE Direct, ePropelled, Minebea Mitsumi, Vertiq, ALVA Industries, AOS RC, Geiger Engineering, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

## **Market Segmentation**

Multi-rotor UAV Power System market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

>1000KV

500?1000KV

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