

Global FPV Drone Batteries Supply, Demand and Key Producers, 2026-2032

<https://marketpublishers.com/r/G45D796D89DEEN.html>

Date: May 2026

Pages: 151

Price: US\$ 4,480.00 (Single User License)

ID: G45D796D89DEEN

Abstracts

The global FPV Drone Batteries market size is expected to reach \$ 762 million by 2032, rising at a market growth of 7.9% CAGR during the forecast period (2026-2032).

In 2025, global FPV Drone Batteries production reached approximately 4,800 k units with an average global market price of around US\$ 85 per unit, and a gross profit margin of approximately 20%-40%. FPV Drone Batteries are high-performance rechargeable lithium polymer (LiPo) batteries specifically designed for first-person view (FPV) drones. These batteries provide high discharge rates (high C-rating) to support rapid acceleration, agile maneuvers, and high-speed flight. They are typically lightweight and compact, with configurations such as 4S, 5S, and 6S to meet different power requirements. FPV batteries are widely used in racing drones, freestyle drones, and aerial photography applications. Key performance parameters include energy density, discharge rate, cycle life, and safety. Continuous innovation focuses on improving power output, reducing weight, and enhancing durability under high-load conditions. The industrial chain of FPV Drone Batteries includes upstream raw materials such as lithium compounds, cobalt, nickel, electrolytes, separators, and aluminum-plastic films. The midstream consists of battery cell manufacturing, pack assembly, and quality testing, including balancing and safety validation. Downstream applications include FPV racing drones, recreational drones, aerial photography drones, and professional drone users. The ecosystem also involves distribution channels, aftermarket battery replacement, and recycling services. Technological innovation in high discharge performance and safety management is critical to meeting the demanding requirements of drone applications and maintaining competitive advantage.

This report studies the global FPV Drone Batteries production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for FPV Drone Batteries and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of FPV Drone Batteries that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global FPV Drone Batteries total production and demand, 2021-2032, (K Units)

Global FPV Drone Batteries total production value, 2021-2032, (USD Million)

Global FPV Drone Batteries production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)

Global FPV Drone Batteries consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: FPV Drone Batteries domestic production, consumption, key domestic manufacturers and share

Global FPV Drone Batteries production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)

Global FPV Drone Batteries production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global FPV Drone Batteries production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global FPV Drone Batteries market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Grepow (Tattu), Boslipo, CNHL, Fullymax, RacePow, KlesMan, Herewin, Gaoneng Battery, Revogreen, Swaytronic, etc.

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

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World FPV Drone Batteries market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) by

manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global FPV Drone Batteries Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global FPV Drone Batteries Market, Segmentation by Type:

LiPo Batteries

Li-ion Batteries

Others

Global FPV Drone Batteries Market, Segmentation by Capacity:

1800mAh

Global FPV Drone Batteries Market, Segmentation by Application:

Racing Drones

Freestyle Drone

Aerial Photography Drones

Others

Companies Profiled:

Grepow (Tattu)

Boslipo

CNHL

Fullymax

RacePow

KlesMan

Herewin

Gaoneng Battery

Revogreen

Swaytronic

Ampxell

Lumenier

RELiON Batteries

Zion Communication

Spard New Energy

Lipower

PKENERGY

Xiamen 3-circles Sports Technology

SunLipo Energy

Key Questions Answered:

1. How big is the global FPV Drone Batteries market?
2. What is the demand of the global FPV Drone Batteries market?
3. What is the year over year growth of the global FPV Drone Batteries market?
4. What is the production and production value of the global FPV Drone Batteries market?
5. Who are the key producers in the global FPV Drone Batteries market?
6. What are the growth factors driving the market demand?

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