

This **Brushless Motor A2212 / 5T 2450KV with 30A ESC Speed Controller Combo** is the ultimate performance package for hobbyists, makers, and RC enthusiasts who demand power, efficiency, and reliability in their projects. Whether you're building a drone, an RC airplane, a quadcopter, or any custom robotic design, this motor and ESC combination delivers smooth control, high torque, and exceptional speed.

The **A2212 2450KV Brushless Outrunner Motor** is well-known for its lightweight aluminum body, powerful torque output, and high rotational speed. Paired with a **30A Electronic Speed Controller (ESC)**, it provides precise throttle response and stable operation — even under demanding load conditions. This set is ideal for both beginners and advanced users who want a ready-to-use propulsion system for their next RC project.



## Key Features

### Brushless Motor A2212 / 5T 2450KV

- **High Speed & Efficiency:**  
The 2450KV rating ensures extremely high RPM per volt input, offering incredible acceleration and power efficiency for drones and RC aircraft.

- **Durable Construction:**  
Built with high-quality materials including precision bearings, a solid shaft, and a robust aluminum casing to handle high current and heat dissipation effectively.
- **Lightweight Design:**  
Compact and lightweight, making it suitable for multi-rotor drones and lightweight RC models without compromising on thrust.
- **Stable Performance:**  
Provides smooth and stable rotation with low noise and minimal vibration, resulting in excellent flight stability.
- **Wide Compatibility:**  
Works perfectly with propellers such as 5x3, 6x3, 7x3.5, and 8x4 for various drone and RC setups.





### 30A ESC (Electronic Speed Controller)

- **Smooth Throttle Control:**  
Offers linear throttle response for better speed management and flight control, making it easier to handle your drone or airplane in different conditions.
- **High Current Capacity:**  
Designed to handle up to 30A continuous current, suitable for brushless motors like the A2212 without overheating.
- **Safe & Reliable Operation:**  
Integrated safety features include over-current protection, low voltage cutoff, and thermal shutdown to prevent damage during use.
- **Bare Wire Output:**  
Comes with bare wires for flexible connection — you can easily solder bullet connectors or direct connections depending on your setup.
- **Plug & Play Compatibility:**  
Compatible with most RC receivers and flight controllers, ensuring quick installation and easy configuration.





## Technical Specifications

### Brushless Motor A2212 / 5T 2450KV

- KV Rating: 2450KV
- Max Efficiency Current: 10–12A
- Max Current: 13A (60s)
- Voltage Range: 2S–3S Li-Po (7.4V–11.1V)
- Max Power: Approx. 150W
- Shaft Diameter: 3.17mm
- Weight: ~50g
- Mounting Hole: 16mm / 19mm

### 30A ESC (Electronic Speed Controller)

- Continuous Current: 30A

- Burst Current: 40A (10s)
- Input Voltage: 2S–3S Li-Po
- BEC Output: 5V / 2A
- Firmware: Pre-programmed with standard timing and throttle calibration
- Wires: Bare (for flexible installation)

## Applications

This combo is a perfect choice for a wide range of RC and DIY electronics applications:

- RC Airplanes 
- Racing Drones & Quadcopters 
- RC Boats 
- DIY Robotics & Automation Projects 
- Educational Engineering Kits 





### Why Choose This Combo

Pairing the **A2212 2450KV Motor** with the **30A ESC** guarantees maximum compatibility and efficiency. The ESC is perfectly tuned for the motor's current and voltage requirements, ensuring safe and reliable performance without the risk of mismatch. This eliminates the hassle of finding compatible components separately — giving you a complete propulsion system ready to go.

Both components are **tested for quality and consistency**, ensuring stable operation across multiple flight sessions. Whether you're upgrading your existing setup or starting a new RC build, this set gives you exceptional performance, longer lifespan, and better control at every level.

### Package Includes

- 1 × A2212 / 5T 2450KV Brushless Outrunner Motor
- 1 × 30A ESC (Bare Wires)

- 1 × Prop Adapter
- 1 × Motor Mount
- Mounting Screws

### **Conclusion**

The **Brushless Motor A2212 / 5T 2450KV + 30A ESC Combo** offers unmatched value for performance-driven RC enthusiasts. It's compact, efficient, and powerful — delivering the thrust and precision control needed for smooth, responsive flying. Whether for drones, RC aircraft, or DIY projects, this set provides everything you need for a high-performance propulsion solution.