SoloGood HEE Wing T-01

SoloGood HEE Wing T-01 Fixed Wing RC Plane User Manual

Model: HEE Wing T-01

1. Introduction

This manual provides essential information for the safe assembly, setup, operation, and maintenance of your SoloGood HEE Wing T-01 Fixed Wing RC Plane. Please read this manual thoroughly before operating the aircraft to ensure proper function and to prevent damage or injury. The HEE Wing T-01 is a 730mm wingspan fixed-wing RC airplane constructed from EPP foam, designed for stable flight characteristics.

2. Safety Precautions

- **Always fly in open areas:** Avoid flying near people, buildings, power lines, or other obstacles.
- **Weather conditions:** Do not fly in strong winds, rain, or other adverse weather conditions. The lightweight EPP foam construction is susceptible to wind.
- **Battery safety:** Use only recommended batteries (2S ~ 3S 1300mah~5000mah LiPo). Ensure proper charging and handling to prevent fire or explosion.
- **Propeller safety:** Keep hands and loose clothing away from the propeller when the aircraft is powered on.
- **Adult supervision:** This product is recommended for users aged 10 months and up, but adult supervision is advised, especially for beginners.
- **Pre-flight check:** Always perform a thorough pre-flight check of all components, controls, and battery levels before each flight.

3. Package Contents

The PNP (Plug-N-Play) package includes the following components:

- EPP foam parts (main fuselage, wings, tail)
- Plastic structural parts
- Accessories pack (Strap and Sticker)
- Quick release structure components
- Quick remove plug
- Wire plug package
- RGB lamp
- UBEC- 5V/2A
- FX-3830 Propeller
- FX-1404-3700KV Brushless motor
- FX-20A Brushless ESC (without UBEC)
- FX-5g Digital Servo

Note: Battery, charger, transmitter, and receiver are not included in the PNP package and must be purchased separately.

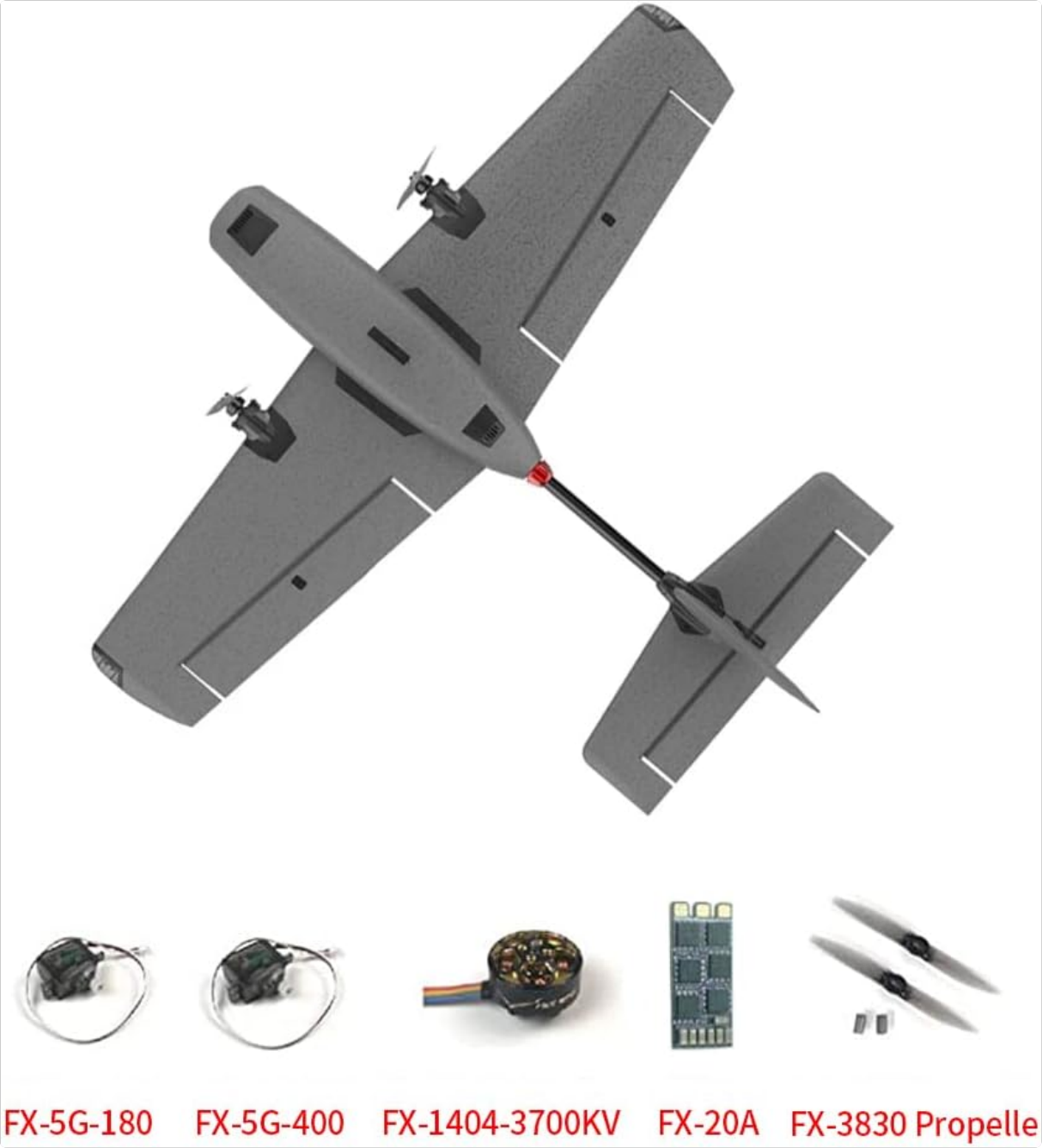

Image: Overview of the HEE Wing T-01 RC Plane and its included components.

4. Assembly Instructions

The HEE Wing T-01 features a quick-release design for easy assembly and disassembly.

1. **Wing Attachment:** Carefully slide the main wings onto the fuselage. Ensure they are securely seated and the quick-release mechanisms (if applicable) are engaged.
2. **Tail Section:** Attach the tail section, ensuring all control linkages are correctly connected to the servos.
3. **Propeller Installation:** Install the FX-3830 propeller onto the FX-1404-3700KV brushless motor. Ensure it is tightened securely but not overtightened.
4. **Landing Gear (Optional):** If using the optional landing gear, attach it to the designated points on the fuselage.

Image: Front view of the HEE Wing T-01 RC Plane, showing the optional landing gear installed.

5. Setup and Pre-Flight Checks

1. **Battery Installation:** Open the cabin hatch. Insert the recommended 2S ~ 3S 1300mah~5000mah LiPo battery into the cabin space (245mm x 51mm x 48mm). Secure the battery to prevent shifting during flight.

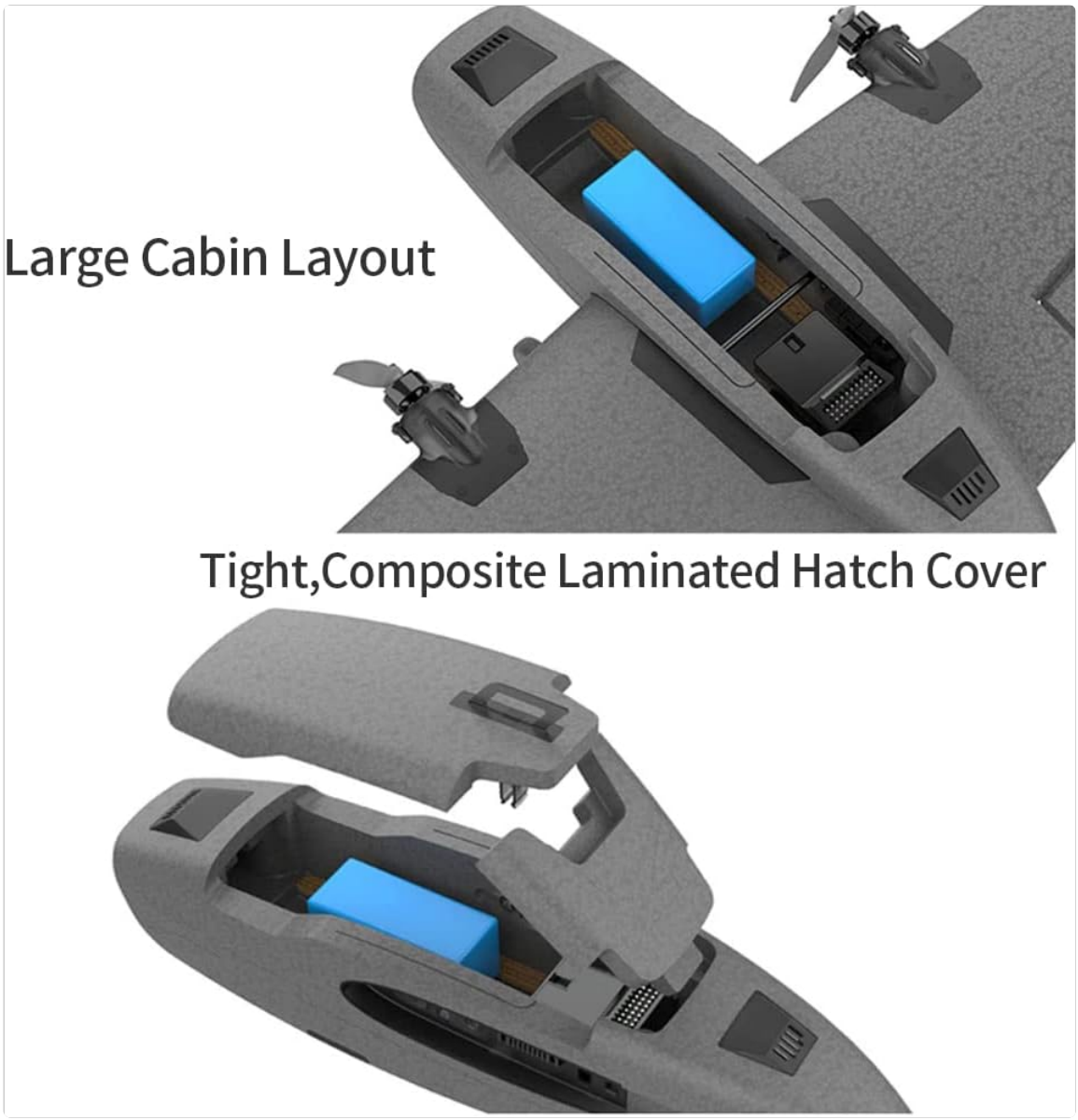

Image: View of the HEE Wing T-01 RC Plane's cabin, showing the spacious layout for battery and electronics.

2. **Transmitter and Receiver:** Connect your compatible receiver (not included) to the flight controller. Power on your transmitter (not included) and then the aircraft. Follow your transmitter's instructions to bind it with the receiver.
3. **Control Surface Check:** Verify that all control surfaces (ailerons, elevator, rudder) respond correctly to transmitter inputs. Ensure they move freely and in the correct direction.
4. **Center of Gravity (CG):** Adjust the battery position to achieve the recommended Center of Gravity. Proper CG is crucial for stable flight.

6. Operating Instructions

The HEE Wing T-01 is designed for easy control, suitable for beginners, but requires practice for optimal performance.

6.1 Take-off

- **Hand Launch:** Hold the aircraft firmly with one hand, apply full throttle, and gently toss it forward into the wind.
- **Ground Take-off:** If using landing gear, place the aircraft on a smooth, flat surface. Apply full throttle and steer with the rudder until it gains sufficient speed for lift-off.

6.2 Flight Controls

Use your transmitter to control the aircraft:

- **Throttle:** Controls motor speed and altitude.
- **Elevator:** Controls pitch (nose up/down) for climbing and descending.
- **Ailerons:** Controls roll (wing tilt) for turning.
- **Rudder:** Controls yaw (nose left/right) for coordinated turns.

6.3 Landing

Approach the landing area into the wind. Gradually reduce throttle and maintain a gentle descent using the elevator. Aim for a smooth, level touchdown.

Video: Official flight demonstration of the HEE Wing T-01 Fixed Wing RC Plane, showcasing its flight capabilities and stability.

7. Maintenance

- **EPP Foam Care:** The EPP foam is durable but can be damaged. Inspect for cracks or dents after each flight. Minor damage can often be repaired with foam-safe glue.
- **Motor and Propeller:** Check the motor for debris and ensure the propeller is free from damage and securely attached. Replace damaged propellers immediately.
- **Servos and Linkages:** Ensure all servos operate smoothly and linkages are free from bends or obstructions.
- **Battery Storage:** Store LiPo batteries at a storage voltage (around 3.8V per cell) in a fire-safe bag when not in use.

8. Troubleshooting

- **Aircraft not responding:** Check battery connections on both aircraft and transmitter. Ensure transmitter and receiver are properly bound.
- **Unstable flight:** Verify Center of Gravity (CG) is correct. Check for bent control surfaces or damaged linkages. Avoid flying in windy conditions.
- **Motor not spinning:** Check battery charge, motor connections, and ESC. Ensure throttle is armed (usually by moving throttle stick to full then zero).
- **Short flight time:** Ensure battery is fully charged. Check for excessive drag or motor issues.

9. Specifications

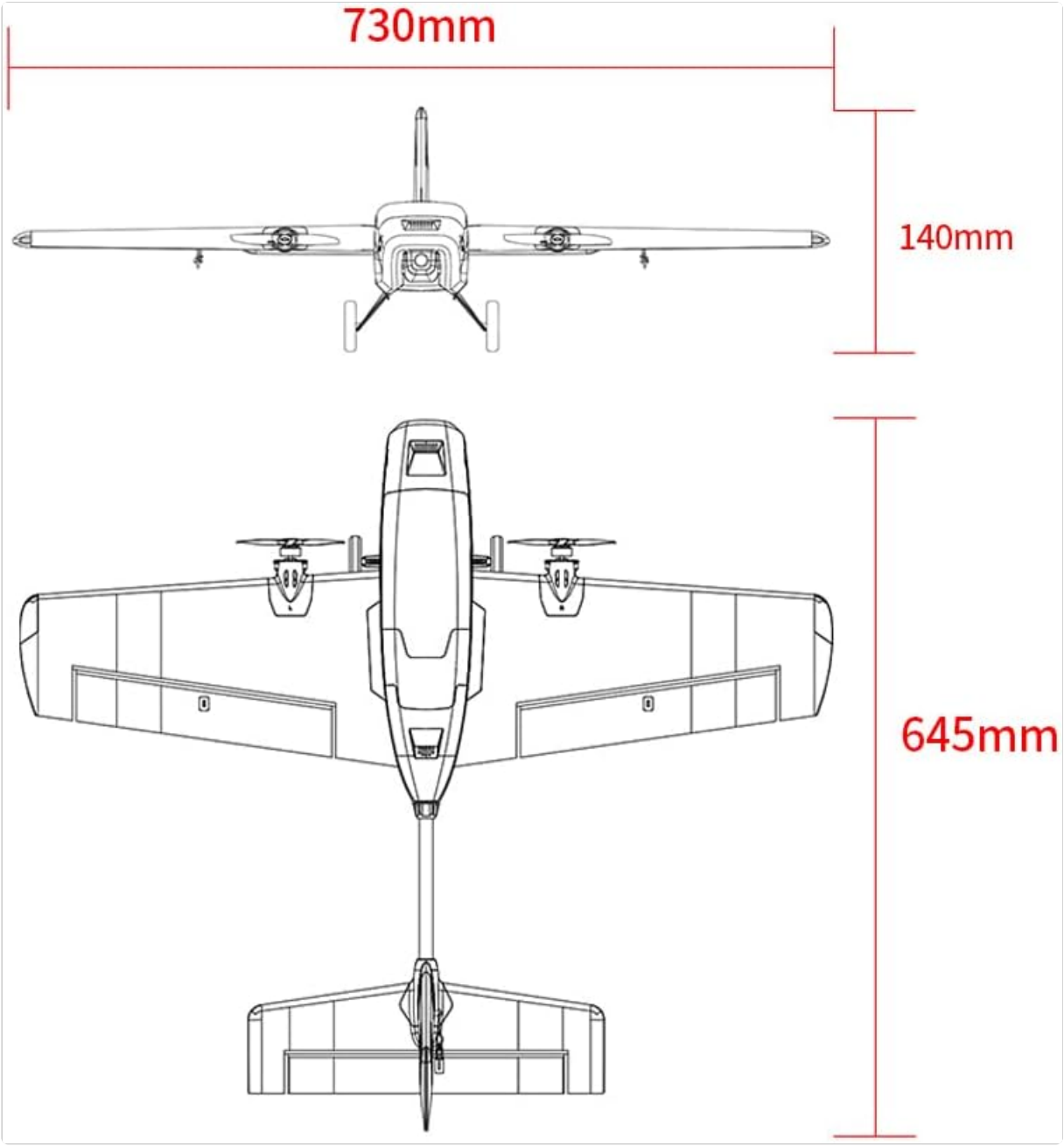

Image: Diagram illustrating the dimensions of the HEE Wing T-01 RC Plane.

Feature	Detail
Product Name	HEE WING T-01 Fixed Wing Airplane
Material Quality	EPP / ABS+PC / Carbon Fiber / Aluminum
Wingspan	730mm
Length	645mm
Height	140mm
Empty Weight	205g (grey)
Take-off Weight	350g ~ 500g
Cabin Space	Length 245mm x Width 51mm x Height 48mm
Minimum Flying Speed	<20km/h

Maximum Flight Speed	>120km/h
Maximum Cruising Range	>25km
Maximum Flight Time	>65min
Motor	FX-1404-3700KV Brushless
ESC	FX-20A Brushless
Battery (Recommended)	2S ~ 3S 1300mah~5000mah (not included)
Propeller	FX-3830
Servo	FX-5g-Digital
Tensile Force	>600g

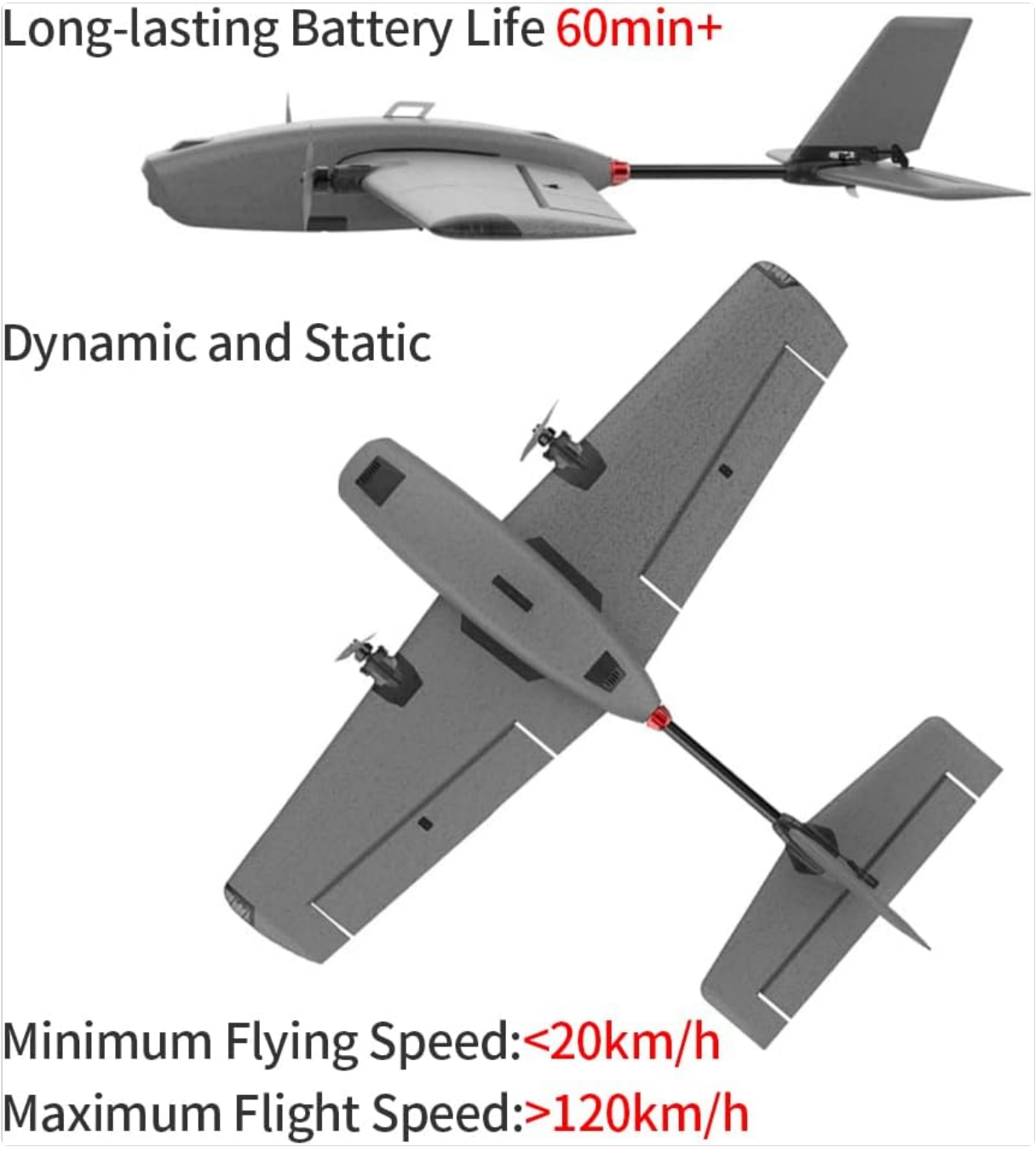

Image: Side view of the HEE Wing T-01 RC Plane, highlighting its dynamic and static capabilities, including minimum and maximum flight speeds.

10. Warranty and Support

For warranty information, technical support, or replacement parts, please refer to the manufacturer's official website or contact the retailer where you purchased the product. Keep your proof of purchase for warranty claims.