



TYPE CERTIFICATE

This type certificate is issued by the Office of Integrity, Safety, and Compliance to the following proponent:

HOBBYKING, LLC

KWUN TONG, HONG KONG

This type certificate affirms that the product type design listed below complies with the applicable type certification airworthiness standards.

| TYPE MODEL NAME | DATE OF ISSUANCE | OISC-RECOMMENDED PILOT SKILL LEVEL |
|----------------------------------|------------------|------------------------------------|
| Bixler 1.1 PNF Glider EPO 1400mm | 1 May 2021 | Airplane skill level 1 |

TYPE CERTIFICATE DATA SHEET

Propulsion system

1. Motors: 1x 2212-1900kV brushless outrunner motor
2. ESCs: 1x 30A ESC
3. Battery type: 3S-4S LiPo 2200-3200 mAh
4. Propellers: 6x4

Airspeed limitations

1. V speeds, to include V_A , V_{no} , V_{NE} , V_{FE} .

Weight and balance limits

1. At any gross weight: CG 71 ± 5 mm aft of leading edge
2. Maximum weight: 0.65 kg
3. Battery capacity: 2200-3200 mAh LiPo
4. Maximum payload: N/A

Control surface specifications

1. Deflections (maximum): not specified by manufacturer

Overall properties, to include:

1. Basic drawing of the aircraft



2. Key characteristic dimensions
 - a. Wing planform area: 0.26 m²
 - b. Propeller diameter: 6 inches
 - c. Wingspan: 1.4 m
3. Datum location: wing leading edge at root

The POH can be found at: https://cdn-global-hk.hobbyking.com/media/file/d/o/doc_fr_bixler_1.1v2.pdf

| Application or system - airplane | Mark if certified |
|--|-------------------|
| Autopilot/stability augmentation system | NO |
| Flight during nighttime hours | NO |
| Flight in precipitation | NO |
| Flight in cold weather | YES |
| Flight in conditions with a risk of incidental icing | NO |
| Flight in extended icing conditions | NO |
| Multiengine | NO |
| Fueled propulsion system | NO |
| Flight BVLOS/in IMC | NO |
| Aerial chase operations | NO |
| Lightning | NO |

The aircraft is certified for the following use:

| | |
|-------------|----------------------|
| Normal: YES | High load factor: NO |
|-------------|----------------------|

An aircraft certified for normal operation must avoid turbulent flight and may not intentionally execute any maneuver which results in a high load factor.

(8) United States Government contract eligibility

| FEDERAL | STATE | LOCAL |
|----------------|--------------|--------------|
| YES | YES | YES |