Tomboy One-Design Duration Rules 2026

This is a traditional free flight duration type competition for electric powered Tomboy one-design models but with the use of RC to enable thermal hunting and to land back within the field. The one-design specification is to create parity between models.

The model: must be a 36” Tomboy as shown on the original Vic Smeed plan. Construction must follow the original plan but with the necessary adaptation for electric propulsion and RC. Strengthening of the wing spar is permitted, e.g. with spruce, but it may not be made into a full depth spar. Dihedral bracing may also be reinforced. A fixed tail is permitted. The control surfaces must lie within the original planform.

The propulsion system: must be a 4Max 800mah 2S 60C Lipo, a 20A ESC, an MT2204 2300kv brushless motor and an APCe 7x5 propellor.

The radio: must be 2.4Ghz, with only 3 channel control of throttle, rudder and elevator.

Competition procedure: the CD will specify the launch and landing areas. 3 rounds will be flown to a 3 minute max, followed by an unlimited fly-off if necessary. A helper is permitted for launching. The permitted motor run time is 20secs from launch. In the event of a motor over-run or a flight of less than 1 minute, a single ‘no-flight’ is permitted in each of the preliminary rounds. Landing outside of the specified area results in a zero score. All of the flights must be made with a single battery without recharging.
In adverse flying conditions, the CD may proportionately reduce the motor run time and the max.
In a decentralised event the site must not benefit from slope lift, landing must be within 100 metres of the place of launch, and a fly-off flight must be flown if 3 max’s are achieved.

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