

SKYFLY



The Axe, Light Sport Aircraft

Proven in Flight

Over 50 successful piloted test flights completed, validating design, performance, and safety.

Vertical Take-Off and Landing

The Axe can take off and land vertically, no runway required. It can operate from small fields, private land, or confined spaces, giving you access to destinations most aircraft can't reach.

Efficient Forward Flight

Once airborne, the Axe transitions to conventional fixed-wing flight for high efficiency and extended range. This combination dramatically improves cruise performance compared with rotor-only designs.

Designed for Real Owners

Built to be affordable and enjoyable to own, the Axe brings personal aviation to a broader community. It's designed to be flown with a standard private pilot licence with appropriate training.

Safety by Design

Redundant systems: Eight motors and a triple-redundant flight control system are designed to eliminate single points of failure.
Mechanical flight controls: Even with electrical failure, wing lift and control linkages can enable a safe glide to landing.
Ballistic parachute: Additional emergency safety system to protect occupants.

Intuitive Handling

Designed to be easy and intuitive to fly, with automatic stabilisation in hover mode and predictable forward-flight handling. Ideal for both experienced private pilots and those transitioning from conventional aircraft.

Cost & Accessibility

Competitive pricing compared with other personal aircraft, with low operating costs and no need for hangar fees if operated from private land. Removable battery packs allow rapid swap and turnaround between flights.

Standard Spin	5m Canard (chord 0.8m)
Wingspan	5m Wing (chord 1.2m)
Maximum Take Off Mass	750kg
Empty Weight	300kg (equipped for flight less batteries and occupants)
Crew Weight	200kg (2 pax)
Installed Power	280kw peak
Batteries	70kwh
Rotor Diameter	4 x 1.9m (4-bladed fixed pitch)
Rotor Angle	Fixed
Hover Power Required	200kw
Undercarriage	Tricycle (conventional fixed wing)
Stall Speed	48kts (55mph)
Power Off Sink Rate	570 fpm at 70 mph
Best Glide Angle	6:1
Climb	2300 fpm at 62 kts (71mph)
Runway Length Required	0m - VTOL (vertical take-off and landing) 30-50m - STOL (short take-off and landing) 300m - Glide and power off landing

