

SKYFLY



LONGBOW, HYBRID UAV

Proven in Flight

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

Dual Capability

Cargo and ISTAR variations available.

Modular Airframe

Reconfigurable using mission system hardware sets.

Advanced Survivability

Manoeuvrable in forward flight with ability to hover and loiter.

Operational Flexibility

Hybrid propulsion system.

Stowable Airframe

Rapid de-rig and storage with quick release wings.

Energy Efficiency

Fixed wing canard configuration for efficient wingborne cruise.

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| Type | Type – Hybrid-Electric (Manned or unmanned configurable) |
| Maximum Take-Off Mass | 750kg |
| Payload Capacity | Up to 200 kg (mission-specific or 2 passengers) |
| Range | 400+ miles |
| Cruise Speed | 87kts ~ (100 mph) |
| Endurance | 5 hours + depending on payload and configuration |
| Motors | 8 x 35 kW electric motors (280 kW peak) |
| Hover Power Required | ~ 150 kW at max payload |
| Hybrid Range Extender | Hybrid System – 65kw Jet Turbine Max power: 150kw Continous Power: 65kw Fuel: Jet A1 / JP8 / Diesel Weight: 50kg Skyfly Integrated Hybrid Controller |
| Take-off / Landing | VTOL: 0 m runway STOL: 30-50 m runway CTOL: 90 m runway |
| Climb Rate | 2,300 fpm at 62 kts (71mph) |
| Stall Speed | 48 kts (55 mph) |
| Flight Control System | Veronte 4x (certified DO-178C / DO-254) |
| Redundance | Triple and quad redundancy with no single point of failure |
| Fail-safes | Custom configurable logic, flight termination system, redundant sensors (barometers, pilot, accelerometers, gyros, magnetometers, GPS) |
| Gliding | 6-1 ratio |
| Airframe | Lightweight carbon composite structure |
| Wingspan | 8.2 m (main & canard) |
| Undercarriage | Tricycle fixed-wing landing gear |
| Field Maintenance | Quick-release pin system for fast assembly/disassembly (container transport in ~ 10 minutes) |