



ALBATROSS UAV DATASHEET

Designed & Manufactured by Applied Aeronautics, LLC in Santa Barbara, California

AIRFRAME WEIGHT	3.3 – 3.4kg
MAXIMUM TAKEOFF WEIGHT (MTOW)	10kg
DRY WEIGHT (ALL AVIONICS. NO BATTERIES)	4.4 - 4.5kg
WINGSPAN	3000mm
FUSELAGE DIMENSIONS	Length: 740mm Width: 200mm Height: 150mm
LANDING GEAR SYSTEM	Solid carbon fiber with aluminum mounting plates
WHEEL SIZE	Front: 3in Back: 3.5in (variable to 6in)
CONSTRUCTION MATERIALS	Airframe: Honeycomb composite, carbon fiber & fiberglass reinforced Interior Shelving: Carbon fiber Wing Spars: Carbon fiber
MAX SPEED	80mph
CRUISE SPEED	38-45mph
STALL SPEED	36mph
GLIDE RATIO	28:1 – 30:1
CENTER OF GRAVITY	85mm – 95mm from the root leading edge
TAKEOFF & LANDING REQUIREMENTS	40ft – 100ft (runway, unpaved road, catapult)