



Atlas4

BEST IN CLASS HEAVY-LIFT HYBRID UAV



General Features

- » Robust carbon fibre frame
- » Payload agnostic
- » Folding arms
- » Multiple radio options
- » Rain and weather resistant
- » Dual RTK GNSS
- » Multi operator set up

Variants

- » "Storm" FPV Mothership
- » "Lift" Transport
- » "Shield" RF Jammer
- » "Commander" Relay

The Atlas4 is a compact heavy-lift hybrid multirotor built on the proven HD-408 architecture, upgraded and rebranded by Adler Aerospace for multi-role ISR, logistics, and utility missions. Powered by a 7 kW hybrid generator and an eight-motor propulsion system, Atlas4 delivers exceptional endurance and lift capacity—flying up to 3 hours with 8 kg or 30 minutes with 17 kg payload.

Its carbon-fiber airframe, folding arms, and weather-resistant construction provide durability for demanding field operations. Dual RTK GNSS, multiple radio options, and a multi-operator setup ensure mission flexibility across civilian and defense applications. The platform is fully payload-agnostic, supporting ISR sensors, mapping systems, cargo modules, and other mission kits via M6 mounting points and a universal power connector.

With 19 kg payload capacity, a 200-hour generator overhaul interval, and stable performance in winds up to 10 m/s, the Atlas4 offers a powerful combination of endurance, reliability, and lift performance. It serves as a versatile mid-class platform within the Adler Atlas series—ideal for customers requiring long-duration hybrid power in a smaller, highly maneuverable multirotor system.

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BEST IN CLASS HEAVY-LIFT HYBRID UAV

5 Hours+ Max Endurance 25 Kilo Max Payload

- » Hybrid Gas-Electric System
- » Best-in-Class Payload Versatility
- » Longest Flight Time in its Class:

SPECIFICATIONS

DIMENSIONS

- » Width 1300 mm
- » Diagonal 1770 mm
- » Height of landing gear 150-500 mm

WEIGHTS

- » Maximum Take off weight 49 kg
- » Gross Payload 19 kg
- » Fuel Tank 15 L
- » Maximum fuel 11.7 kg

SYSTEM

- » Motors 8
- » Voltage 48 V
- » Generator Continuous Power ... 7000 W
- » Generator Time between overhauls 200 hours
- » Battery capacity 5 Ah
- » Battery only flight time at maximum payload 1.5 mins

PAYLOADS

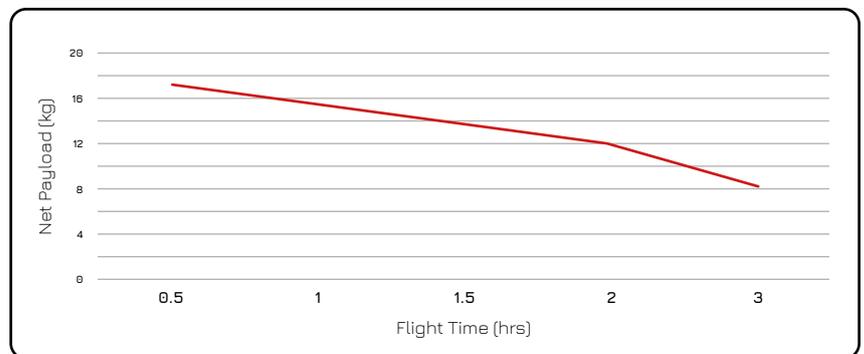
- » Payload Power 480 W
- » Connector Deutsch 4 pin
- » Payload fixing attachment M6 bolt

FLIGHT CHARACTERISTICS

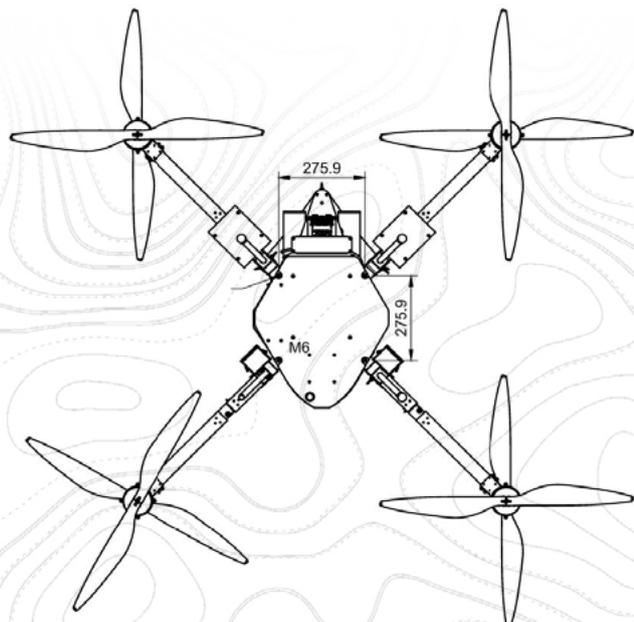
- » Maximum speed m/s - km/h - knts 15 - 54 - 29
- » Operating temperature -20 to +40 °C
- » Maximum wind speed 10 m/s



FLIGHT PERFORMANCE*



* provided as an estimate based on testing and a consumption of 3.5 kg per hour in ideal conditions
** test your flight time with your specific payload to be certain



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