



Battery Powered Gryphon

Flight Time:	
TOW 25kg (4x SC30 batteries)	6kg payload: 60min
TOW 30kg (2x SC30 batteries)	16kg payload: 20 mins
TOW 17kg (4x SC22 batteries)	No payload: 90 mins
TOW 25kg (4x SC22 batteries)	8kg payload: 45 mins
Standard Hovering Accuracy (GPS)	Vertical: ± 0.5 m, Horizontal: ± 1.5 m
RTK & NTRIP option Hovering Accuracy (GPS)	Vertical: ± 0.05 m, Horizontal: ± 0.05 m
Maximum recommend flight speed	15 m/s (33 mph)
Maximum operating altitude ASL	2500 m

Ground Controller	
Operating Frequency	2.400-2.483 Ghz
Dimensions (l x w x d)	272 x 183 x 94 mm
Endurance	6-20 hours
Maximum brightness	1800 nits
Transmission Distance	Up to 30 km
Ports	1 x HDMI, 1 x MIDI, 1 x RJ45
Weight	1100 grams

Weight	
Aircraft Maximum Take-off Weight (MTOW)	30 kg
Aircraft Weight (without batteries)	9.1 kg
Aircraft Weight (with 4 x SC22 batteries)	17.1 kg
Maximum Recommended Payload	16 kg
Thrust-to-weight Ratio (at 16kg max payload)	1.9:1

Dimensions	
Length (not including arms)	800 mm
Width (not including arms)	900 mm
Height	425 - 1200 mm
Max Width (propeller tip to tip)	2400mm
Arms length	450 mm
Arms width	1000 mm

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Bathymetric LiDAR



Ground Penetrating Radar



Mini-VUX 3UAV LiDAR



Hydrogen Fuel Cell Powered Gryphon

Flight time

22kg take-off weight

25kg take-off weight)

2kg payload: 180 mins

5kg payload: 120 mins

Weight

Aircraft Maximum Take-off Weight (MTOW) 25 kg

Aircraft Weight (with fuel cell & 10.8L cylinder) 18 kg

Hybrid battery weight 1-3kg

Maximum Recommended Payload 6kg

On board Features

Payload power supplies: 2x 5v (25W), 2x12 (60W) 2x 48V

CAN and UART sockets for payloads comms

Custom pilot user interface including:

Dual camera feed (FPV and Payload)

Hydrogen fuel cell telemetry integration

Optional extras

Parachute system, RTK, LTE comms, water resistance (IP23),

Nav lights & strobe Beacons

ADSB out transponder, radar altimeter, detect and avoid system

Payload integration service

Hydrogen refuelling kit, 9-20L light weight hydrogen tank options,
hydrogen transportation case

YellowScan Navigator settings

Above Ground Level: 65m

Flight Speed : 5m/s

Overlap 50%

40,000 points per second.

Average 213 points per m2

