

CARRIER

H6 ELECTRIC

A long-duration, heavy-lift hexacopter optimized for payload versatility — plug-and-play, field-swappable, mission-ready.



BLUE
UAS



8 KG
17.6 LBS

MAX PAYLOAD

48 MIN

MAX FLIGHT TIME

UNMATCHED

FOLDABILITY

32,000
MAH

CAPACITY

UNIVERSAL

PAYLOAD CONNECTOR

CARRIER H6 ELECTRIC.

The Carrier H6 Electric is a long-duration, heavy-lift hexacopter optimized for payload versatility across demanding mission profiles. Designed for rapid field deployment, the platform comes ready to plug-and-play.

Smart 12S 16,000 mAh lithium polymer batteries deliver 48 minutes of unloaded endurance and field-swap in seconds. Convertible in minutes to Hybrid EFi or Hydrogen power formats — one airframe, three power systems.

PERFORMANCE FLIGHT TIME VS. PAYLOAD



TESTED AT 120 M AGL • 20 °C • NO WIND • 2-MIN LANDING RESERVE • ~15% REDUCTION AT CEILING

CONFIGURATION HIGHLIGHTS

8 kg MAX PAYLOAD	48 min MAX FLIGHT TIME	Unmatched FOLDABILITY	32,000 mAh CAPACITY	Universal PAYLOAD CONNECTOR
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GROUND CONTROL

GROUND CONTROL OPTIONS.

OPTION A • HANDHELD — COMMERCIAL & MILITARY

OPTION B • CONSOLE



C-NAVIGATOR

COMMERCIAL

RUGGED HANDHELD GCS

- 8" Samsung TAB 5
- IP65
- AES-256 / STIG
- NDAA Compliant

C-SROC

MILITARY / DEFENSE

SOLDIER ROBOTIC CONTROLLER

- 8" Samsung TAB 5 Tactical Edition
- MIL-STD-810-H · IP65
- Nett Warrior · AES-256 / STIG
- NDAA Section 848

C-GCS

CONSOLE

PROFESSIONAL MISSION COMMAND

- 12-Channel Functionality
- Sunlight-Viewable Display
- 2-Axis Payload & Gimbal
- NDAA Compliant

■ ALL STATIONS • MAVLINK NATIVE • NDAA SECTION 848

SPECIFICATIONS
TECHNICAL SPECIFICATIONS.
A POWER SYSTEM

BATTERY CONFIGURATION	2x 12S1P 16,000 mAh LiPo	BATTERY SERVICE LIFE	250 flight cycles
TOTAL CAPACITY	32,000 mAh	POWER REDUNDANCY	Parallel Battery Power
BATTERY VOLTAGE	44.4 V nominal (12S)	CONVERTIBLE POWER	Hybrid EFI / Hydrogen
POWER CONNECTOR	AS150U-F Anti-Spark	LOW BATTERY BEHAVIOR	Auto-Return to Home
BATTERY INSTALL	Quick-Release Plunger		

B AIRFRAME & PERFORMANCE

FRAME TYPE	Hexacopter (Foldable)	PROPELLERS	Carbon Fiber w/ Alum Hub (29.2" x 9.2")
MAX HORIZONTAL SPEED	15 m/s · 33.6 mph	MAX TAKEOFF WEIGHT	25 kg · 55 lbs
MAX VERTICAL SPEED	2.5 m/s · 5.6 mph	EMPTY WEIGHT	18.1 kg · 40 lbs
MAX LEAN ANGLE	30°	DIMENSIONS (FLIGHT READY)	Prop tip 2,373 mm · H 793 mm
MAX FLIGHT TIME	48 min (no payload)	TRANSPORT CASE	903 x 903 x 498 mm
MOTORS	6x KV100 equivalent	IP RATING	IP43
		OPERATING TEMP	-20 °C to 49 °C

C COMMAND, CONTROL & SAFETY

FLIGHT CONTROLLER	Cube Orange+ (Custom ArduPilot)	GROUND CONTROL	C-GCS / C-NAV / C-SRoC / HereLink
RADIO FREQUENCIES	2.4 GHz ISM · 902-928 MHz	FAILSAFE	Auto RTH / Hover / Land
FLIGHT TRACKING	ADS-B Receiver	TELEMETRY	Real-Time Voltage & Current
IMU REDUNDANCY	Triple Redundant IMU	COMPLIANCE	NDAA Compliant

D PAYLOAD INTERFACE

MOUNT TYPE	Dampened Modular Quick-Release	PAYLOAD POWER OUT	5 V · 12 V · 24 V · 48 V Regulated
MOUNT COMPATIBILITY	Universal Payload Connector	DATA INTERFACE	UART / Ethernet / CAN / GPIO / USB
MAX PAYLOAD	8 kg · 17.6 lbs	COMPATIBLE PAYLOADS	LiDAR · Photogrammetry · Thermal/E0-IR · Multispectral · Custom
GPS	Dual RTK GNSS		



HARRIS AERIAL

CARRIER H6 ELECTRIC

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— CONTACT

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