



CARRIER

H6 ELECTRIC

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

8 KG

MAX PAYLOAD

48 MIN

MAX FLIGHT TIME

FOLDABLE

DESIGN

12,000 FT

SERVICE CEILING

UNIVERSAL

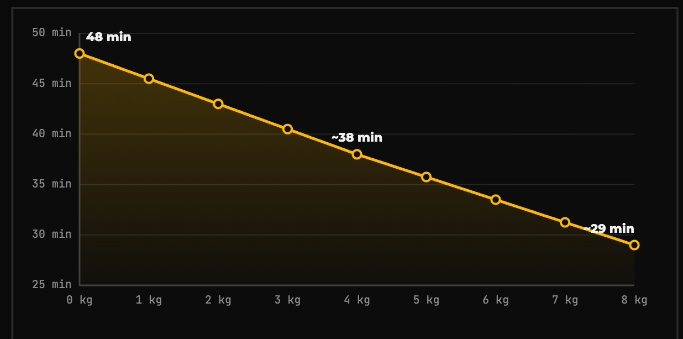
PAYLOAD CONNECTOR

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

02 - CONFIGURATION HIGHLIGHTS


<p>01</p> <p>8 kg MAX PAYLOAD</p>	<p>02</p> <p>48 min MAX FLIGHT TIME</p>	<p>03</p> <p>Foldable DESIGN</p>	<p>04</p> <p>12,000 ft SERVICE CEILING</p>	<p>05</p> <p>Universal PAYLOAD CONNECTOR</p>
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03 - GROUND CONTROL

GROUND CONTROL OPTIONS.

OPTION A · HANDHELD - COMMERCIAL & MILITARY

OPTION B · CONSOLE

		
<h2>C-NAVIGATOR</h2> <p>COMMERCIAL</p> <p>RUGGED HANDHELD GCS</p> <ul style="list-style-type: none"> 8" HD Touchscreen Real-Time Video · Low Latency MAVLink Native NDA A Compliant 	<h2>C-SROC</h2> <p>MILITARY / DEFENSE</p> <p>SOLDIER ROBOTIC CONTROLLER</p> <ul style="list-style-type: none"> 7" WXGA Glove-Touch MIL-STD-810-H · IP65 Nett Warrior · AES-256 / STIG NDA A Section 848 	<h2>C-GCS</h2> <p>CONSOLE</p> <p>PROFESSIONAL MISSION COMMAND</p> <ul style="list-style-type: none"> 12-Channel Functionality Sunlight-Viewable Display 2-Axis Payload & Gimbal NDA A Compliant

■ ALL STATIONS · MAVLINK NATIVE · NDA A SECTION 848

04 - 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/ Aluminum 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	9.8 kg · 21.5 lbs
MAX LEAN ANGLE	30°	DIMENSIONS (UNFOLDED)	Prop tip 2,373 mm · H 793 mm
SERVICE CEILING	12,000 ft AMSL	TRANSPORT CASE	903 x 903 x 808 mm
MAX FLIGHT TIME	48 min (no payload)	IP RATING	IP43
MOTORS	6x KV100 equivalent	OPERATING TEMP	-20 °C to 49 °C

C COMMAND, CONTROL & SAFETY

FLIGHT CONTROLLER	Cube Orange (Custom ArduPilot)	GROUND CONTROL	Harris C-GCS / 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	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/EO-IR · Multispectral · Custom
GPS	Dual RTK GNSS		



HARRIS AERIAL

CARRIER H6 ELECTRIC

H6E · PRODUCT BROCHURE

H6 ELECTRIC.

— CONTACT

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