

CARRIER

H6 ELECTRIC

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

BLUE UAS

MADE IN USA

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

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

B AIRFRAME & PERFORMANCE

FRAME TYPE	Hexacopter (Foldable)
MAX HORIZONTAL SPEED	15 m/s · 33.6 mph
MAX VERTICAL SPEED	2.5 m/s · 5.6 mph
MAX LEAN ANGLE	30°
MAX FLIGHT TIME	48 min (no payload)
MOTORS	6x KV100 equivalent
PROPELLERS	Carbon Fiber w/ Alum Hub (29.2" × 9.2")
MAX TAKEOFF WEIGHT	25 kg · 55 lbs
EMPTY WEIGHT	9.5 kg · 21 lbs
WEIGHT WITH BATTERIES	18.1 kg · 40 lbs
DIMENSIONS (FLIGHT READY)	Prop tip 2,373 mm · H 793 mm
TRANSPORT CASE	903 × 903 × 498 mm
IP RATING	IP43
OPERATING TEMP	-20 °C to 49 °C

C COMMAND, CONTROL & SAFETY

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

D PAYLOAD INTERFACE

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

HARRIS AERIAL

CARRIER H6 ELECTRIC

H6E · PRODUCT BROCHURE



H6 ELECTRIC.

— CONTACT

WEB	EMAIL	PHONE
harrisaerial.com	info@harrisaerial.com	(407) 725-7886