

Falcon Efficient Tethered UAS



BLUE UAS and NDAA COMPLIANT | MADE IN THE USA

Continuous Flight	Up to 30 days
UAS Max Takeoff Weight	~33 lbs. with max payload
Payload Weight Capacity	Up to 8 lbs.
Weather Rating	IP54 (rainy dusty environment)
Wind tolerance	Up to 15 mph sustained, 25 mph gust
UAV Frame Dimensions	1245 mm x 445 mm
Landing Gear	RF Transparent Kevlar
Safety batteries	Emergency landing from up to 250ft
Mobility	Launch and land on the move up to 15 mph
Command and Control	Wired C2 over IP (GbE): optional wireless backup, optional fiber optic
Payloads	Application dependent. Examples: EO/IR, comms, RADAR, SIGINT, EW
Payload Networking	IP switch; Network Interface: RJ45
Payload Power Supply	200 Watts (or custom) at various voltages (5, 12, 24, 50V DC)
Tether Length	Up to 250 ft
Tether Management	Motorized auto-tension, static dissipation, level wind, active cooling
Input Power	110-250VAC 20-amp NEMA L-14 plug or selectable
Recommended Generator	Single Phase, 110-250VAC, 2400 watts (continuous)
Safety Features	Backup tether comms, power loss alarm and light, grounding rod, optional aerial strobe, ethernet lightning arrestor, OVERWATCH™ advanced autopilot

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