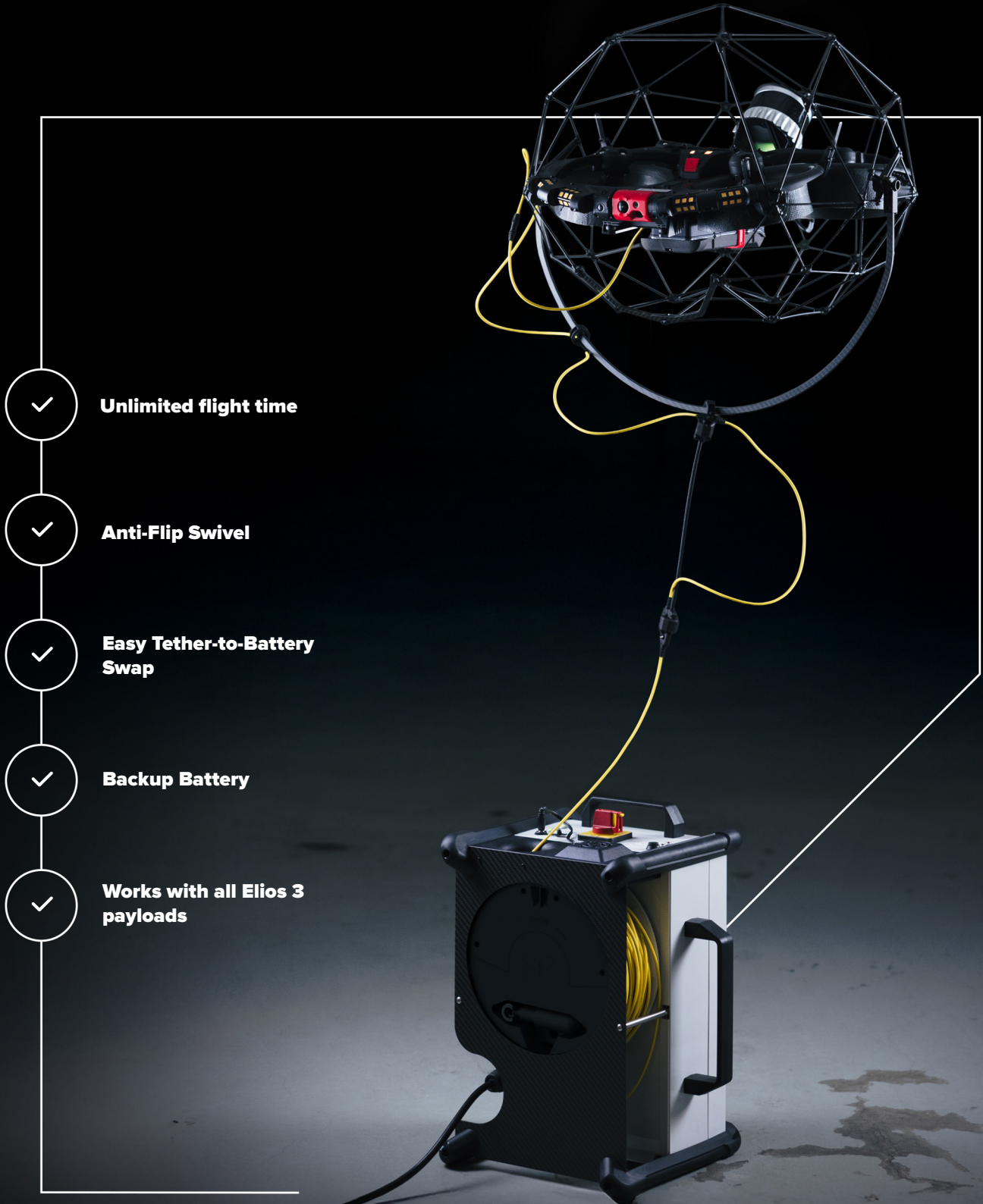


TETHER POWER UNIT

Continuous power for stress-free operations



Tether Power Unit

Technical specifications¹

Air Unit

Easily swaps with an Elios 3 battery for untethered flight

Anti-Flip Swivel

Secures the cable to eliminate tether disturbances

Backup battery

Provides backup power for safe landings during possible outages

Ground unit

Power supply unit. Converts 100–240 V AC into high-voltage DC

Cable

50 m (164 ft) Kevlar®-reinforced cable

Cable reel

Feeds out the cable smoothly as the drone ascends

✓ Reduced pilot workload

Removes flight-time constraints, letting the pilot focus fully on the mission.

✓ Uninterrupted efficiency

No battery charging or swaps. Pilots stay on task, maximizing mission output.

✓ Extra peace of mind

The tether serves as a safety lifeline, giving pilots confidence in every mission.

TETHER SYSTEM

Input voltage and nominal operating current	100 V AC, 17.6 A 120 V AC, 14.7 A 230 V AC, 7.7 A
Input frequency	50-60 Hz
Ingress Protection	IP54
Flammability	Cable: UL94 VW-1 Housing: UL94 V-0

CABLE

Cable length	50 m max (164.04 ft)
Conductor cable	UL758 grade cable with kevlar reinforcement
Voltage rating	400 V DC

OPERATIONS

Tether-to-battery	Seamlessly swap between the Tether Air Unit and an Elios 3 battery. No tools needed.
Backup battery	Standard or High Capacity battery for Elios 3
Cable reel	Self unwinding, manual winding
Payload compatibility ²	Surveying, UT, RAD, Gas Sensor
Outdoor compliance	Elios 3 (tethered) classified C5 under EU regulations; allowing STS-01 operations (VLOS over a controlled ground area in a populated environment)

TRANSPORT CASE

Dimensions (HxWxL)	520 x 480 x 330 mm
Shipping weight	22.8 kg (50.26 lbs)
Portability	Telescopic handle and wheels

1. Specifications subject to updates without prior notice.; 2. With some limitations on operating temperature and flight altitude.

