



ScanLift Orbit

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TECHNICAL SPECIFICATIONS

OPERATIONAL SPECIFICATIONS

Max Payload Capacity Electric	10 kg
Max Payload Capacity Hybrid-Electric	7.5 kg (can be increased to 10 kg with license)
MTOW	25 kg (Can be increased if requested outside CASA/FAA Regulations to 28.5kg)

*Environmental factors can increase or decrease endurance and payload capacity performance. Contact Innoflight International or your nearest distributor to discuss aircraft performance factors. All data provided is based on sea level testing with 0 translational lift (Hovering).

Maximum Wind Tolerance:	28kmh
Maximum Survey Speed:	12m/s
Maximum Flight Speed:	15m/s
Minimum Operating Temperature:	-10 Degrees Celsius (15F)
Maximum Operating Temperature:	48 Degrees Celsius (118F)

ASSEMBLED DIMENSIONS

Span:	1750mm Motor to Motor
Span:	2372mm Prop tip to tip
Height:	572mm Overall Height
Area:	1.3 m ³
Payload Height:	295mm (customizable)
Weight Electric:	10.5kg
Weight Hybrid Electric:	14.5kg

POWER SYSTEM

Propulsion source:	Fuel Injected Hybrid gasoline-electric
Battery System Electric:	22,000mah - 32,000mah 12S Lithium Polymer
Battery System Hybrid-Electric:	4,500mah 12S
Reserve Battery Endurance:	3-5 minutes (endurance extension available)
Fuel:	Unleaded 91-98 Octane with 40:1 2-Stroke Oil
INF iHE7:	EFI 3.5KW Power up to 70 amp peak supply, automatic power management, auto-start and throttle control
Exhaust System:	Tuned exhaust optional to reduce environmental noise pollution