LOWENTALHYBRID

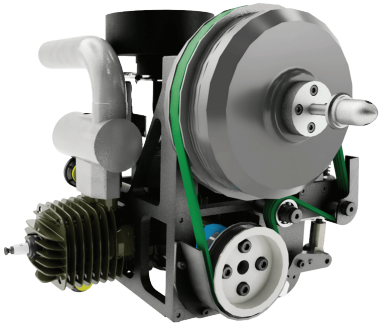
LH-04 The World's First Parallel Hybrid Propulsion for UAVs

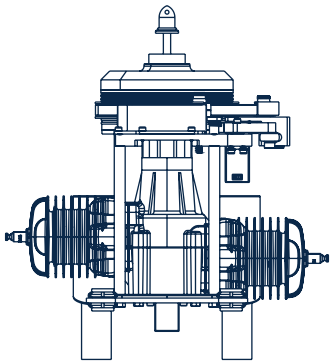
Lowental Hybrid introduces LH-04, a next-generation propulsion system engineered with our proprietary Native Parallel Hybrid™ architecture from day one. Designed for tactical UAVs and loitering munitions in the 60-120kg / 132-265lb MTOW class, it combines the stealth and power of electric flight with the endurance of fuel in one compact, mission-ready system.

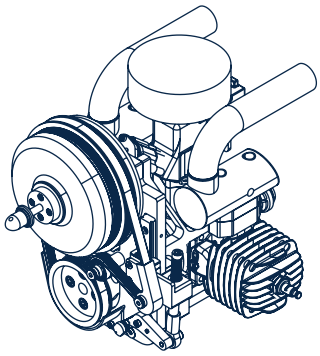
Key Capabilities:

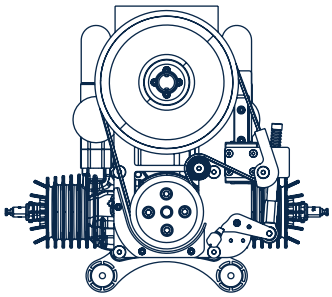
- **Fully parallel hybrid: motor/starter/generator + ICE**
- **High power-to-weight performance: Optimized for tactical operations.**
- **12-20 hrs endurance: up to 5× vs. fully electric UAVs***
- **15-25 min silent electric flight***
- **600W in-flight charging for avionics and sensors**
- **Built-in dual power redundancy for mission assurance**

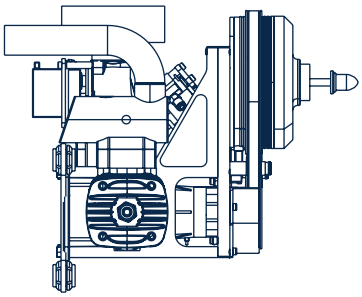
*Typical 60-120 kg MTOW fixed-wing platform.











LH-04 Operational Specification	
Usage	Hybrid propulsion system for fixed-wing/VTOL
Typical MTOW	60-120 kg 132-265 lb
UAS Group (US DoD)	Group 3
Max Electric Output Power	9,135 W 12.25 HP
Nominal Electric Power Output (Avionics/Charging)	600 W
Max Gasoline Output Power	5,960 W 8.00 HP
Engine Type	Air-cooled, 2-stroke Boxer cylinder configuration
Starting Method	Automatic
Fuel Type	Pre Mixed Gasoline + 4% Two Stroke Oil
Fuel Delivery	EFI (Electronic Fuel Injection)
Average Nominal Specific Fuel Consumption Rate	Gasoline - 0.58 - 0.61 kg/kW·h
Full System Weight	6.1 kg 13.44 lb
Operating Temperature	-20°C to +50°C -4°F to +122°F
Operating Altitude	0 - 5,480 m 0 - 18,000 ft
MTBO	250 hours
Recommended Propeller	28" - 34"

Parallel by Design. Engineered to Outfly.

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www.lowental-hybrid.com