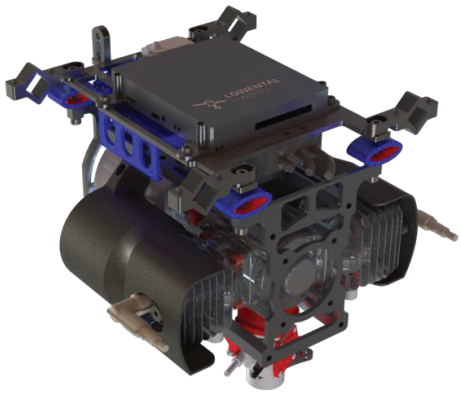
LOWENTALHYBRID

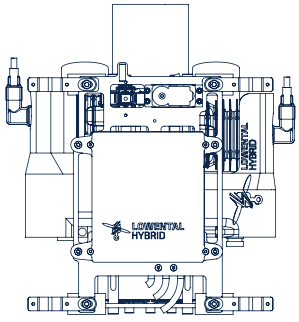
GH-04 Hybrid Range Extender for Drones

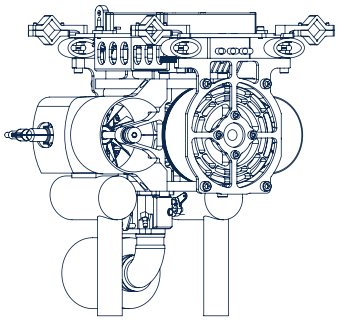
The GH-04 is a lightweight, twin-cylinder aerial generator that extends the endurance of electric single/multi rotor drones up to 35 kg / 77 lb and loitering munitions up to 70 kg / 154 lb MTOW. It mounts as a payload on drones or integrates internally in loitering munitions with minimal adaptation, keeping propulsion, avionics and sensors powered far beyond battery-only limits.

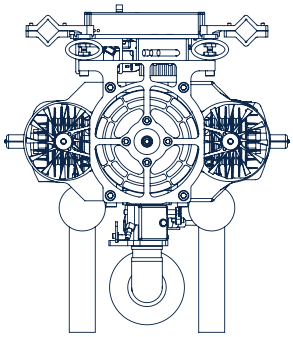
Key Capabilities:

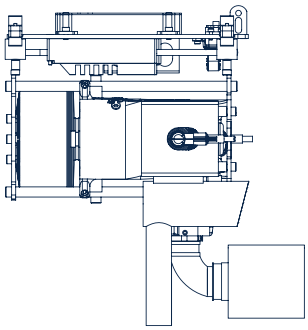
- **4.0 kW output at just 5.2 kg / 11.5 lb**
- **Twin-cylinder boxer engine: balanced, low-vibration power for heavier payloads**
- **Drones MTOW - Up to 35 kg / 77 lb**
- **Loitering munitions weight range - 45-70 kg / 99-154 lb**
- **Automatic in-flight engine start/stop: silent, battery-only flight on demand**
- **Air-cooled: lightweight and easy to maintain**
- **Innovative mounting & suspension: minimal vibration transfer to platform and sensors**
- **Telemetry: CAN bus, MAVLink, RS-485, Ethernet and UART**











GH-04 Operational Specifications	
Usage	Range extender for single/multi-rotor drones and loitering munitions
Typical MTOW (Drones)	20-35 kg 44-77 lb
Typical MTOW (Loitering Munitions)	45-70 kg 99-154 lb
UAS Group (US DoD)	Group 2-3
Max Output Rating	4,000 W 5.36 HP
Nominal Output Rating	3,800 W 5.09 HP
Voltage	48-51 V
Engine Type	Air-cooled, 2-stroke Boxer twin cylinder configuration
Starting Method	Automatic built-in starter generator
Fuel Type	Pre Mixed Gasoline + 4% Two Stroke Oil
Fuel Delivery	EFI (Electronic Fuel Injection)
Average Nominal Specific Fuel Consumption Rate	Gasoline - 0.68 kg/kW·h
Full System Weight	5.2 kg 11.46 lb
Operating Temperature	-20°C to +50°C -4°F to +122°F
Operating Altitude	0 - 3,040 m 0 - 10,000 ft
MTBO	250 hours

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