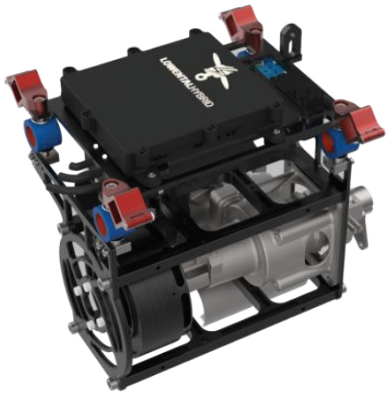
LOWENTALHYBRID

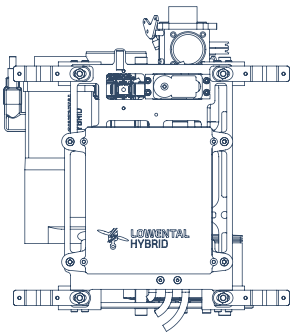
GH-02 Hybrid Range Extender for Drones

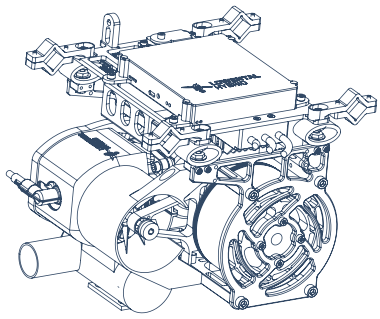
The GH-02 is a lightweight, single-cylinder aerial generator that extends the endurance of electric single/multi rotor drones up to 25 kg / 55 lb and loitering munitions up to 50 kg / 110 lb MTOW. It mounts as a payload on drones or integrates internally in loitering munitions with minimal adaptation, keeping propulsion, avionics and sensors powered far beyond battery-only limits.

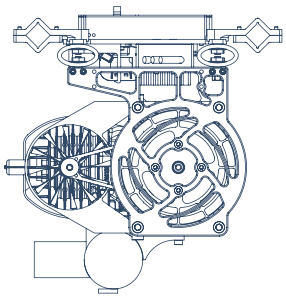
Key Capabilities:

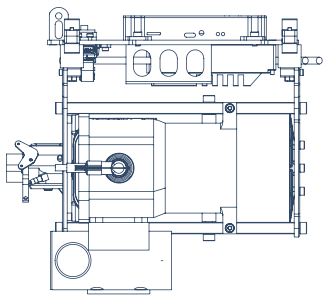
- **3.2 kW output at just 4.6 kg / 10.1 lb**
- **Drones MTOW - Up to 25 kg / 55 lb**
- **Loitering munitions weight range - 30-50 kg / 66-110 lb**
- **Automatic in-flight engine start/stop: silent, battery-only flight on demand**
- **Air-cooled: lightweight and easy to maintain**
- **Innovative mounting & suspension: minimal vibration transfer to platform and sensors**
- **Telemetry: CAN bus, MAVLink, RS-485, Ethernet and UART**











GH-02 Operational Specifications	
Usage	Range extender for single/multi-rotor drones and loitering munitions
Typical MTOW (Drones)	15-25 kg 33-55 lb
Typical MTOW (Loitering Munitions)	30-50 kg 66-110 lb
UAS Group (US DoD)	Group 2-3
Max Output Rating	3,200 W 4.29 HP
Nominal Output Rating	3,000 W 4.02 HP
Voltage	48-51 V
Engine Type	Air-cooled, 2-stroke Single cylinder engine
Starting Method	Automatic built-in starter generator
Fuel Type	Pre Mixed Gasoline + 4% Two Stroke Oil
Average Nominal Specific Fuel Consumption Rate	Gasoline - 0.7 kg/kW·h
Full System Weight	4.6 kg 10.14 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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