

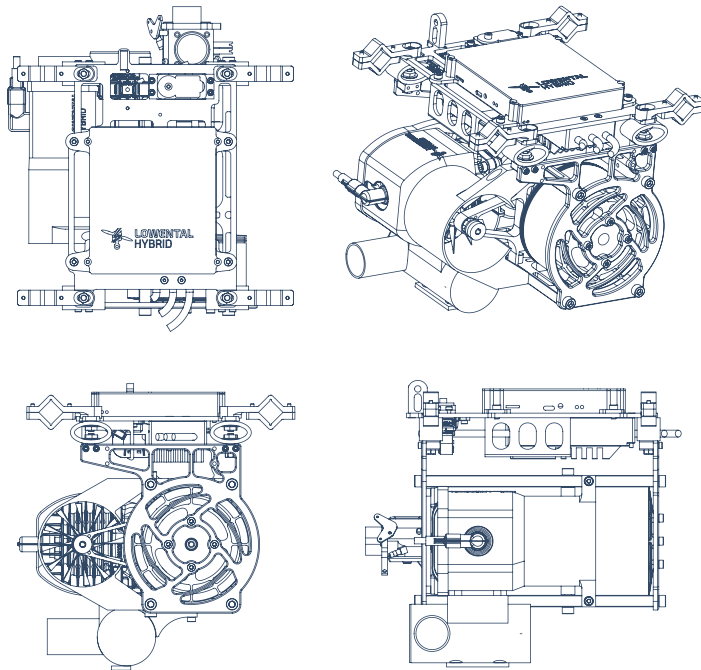
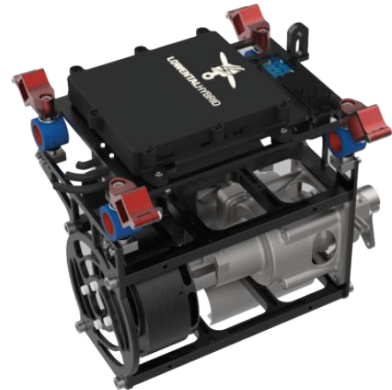
GH-02 Hybrid Range Extender for Drones

The GH-02 aerial generator is a lightweight, single-cylinder power system designed to extend the endurance of multi-rotor drones up to 25 kg MTOW. Delivering up to 2.7 kW of output while weighing just 4.6 kg, it offers a perfect balance of efficiency, compact design, and silent electrical operation for missions where weight and integration simplicity matter most. Integration with drones is straightforward and flexible, ensuring fast setup and adaptation across platforms.

With in-flight engine start/stop, the system enables silent electrical operation whenever needed, providing both endurance and stealth. It supports a wide range of telemetry protocols, including CAN bus, MAVLink, RS-485, Ethernet, and UART.

Key Capabilities:

- Significantly extend your mission duration!
- Up to 25kg MTOW capability
- In-flight engine start/stop
- Air cooled
- Innovative mounting and suspension system design



GH-02 Operational Specifications

Usage	Range extender for multi-rotor drones
Typical MTOW	15-25 kg 44-77 lb
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 / Heavy fuel + 4% Two Stroke Oil
Average Nominal Specific Fuel Consumption Rate	Gasoline - 0.7 kg/kW·h Heavy Fuel - 0.735 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