

GH-03 Hybrid Range Extender for Drones

The **GH-03** aerial generator is a **twin-cylinder boxer power system** built for multi-rotor drones up to 30 kg MTOW.

With up to 3.4 kW of output and robust dual-cylinder reliability, it provides **greater power and endurance** for demanding missions, making it the ideal choice for operators who require **longer flight times under heavier payloads**.

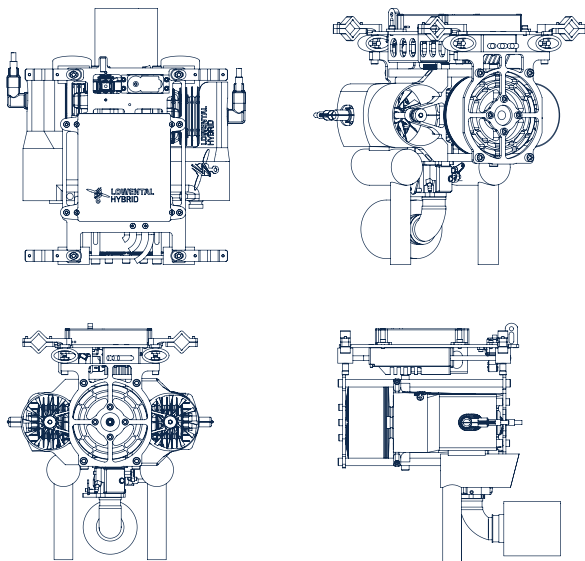
Integration with drones is straightforward and flexible, ensuring fast setup and adaptation across platforms.

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.



THE BEST CHOICE FOR YOUR DRONE

- Significantly extend your mission duration!
- Up to 30 kg MTOW capability
- In-flight engine start/stop
- Air cooled
- New mounting and suspension system design
- Controlled EFI - Optional



OPERATIONAL SPECIFICATIONS

Usage	Range extender for drones
Nominal output rating	3 kW / 4.1 HP
Max output rating	3.4 kW / 4.6 HP
Voltage	48-51 V
Weight	4.8 kg
Engine type	Air cooled, 2 stroke, twin cylinder, boxer engine
Starting method	Built-in starter generator
Fuel delivery	LH EFI
Fuel type	95 octane gasoline mixture with 2% two stroke synthetic oil
Fuel consumption	700 gr/kW ~2.1 kg/h @ 3000 W
Spark plug	NGK CM-6
Operating environment	Atmospheric temperature: -20 ~ 50°C Altitude: 0 ~ 3,000m
Lifetime	Approx. 500 h (overhauling every 250 operation h)