Gasoline Engine G.04 VTOL Fixed-Wing Heavy-Lift Gasoline UAV 3557mm Wingspan 79.6kg Payload 4291m Ceiling

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: GS
- Certification: CE, ISO, MIL-STD
- Model Number: G.04
- Minimum Order Quantity: 2
- Price: $50,000-$250,000
- Packaging Details: Aviation-grade protective foam case with reinforced aluminum outer shell
- Delivery Time: 21 working days
- Payment Terms: L/C
- Supply Ability: 50

Product Specification

- Model: G.04
- Wingspan: 3557 Mm
- Length: 2817 Mm
- Airframe Material: Aviation Carbon Fiber Composite
- Engine: Gasoline Engine
- Payload: 79.6 Kg
- Take-off Mass: 94.5 Kg
- Cruise Speed: 65 M/s
- Endurance: 376 Min
- Max Range: 1438 Km
- Altitude: 4291 M
- Protection Degree: IPX4
- Temperature: -20°C ~ 50°C
- Wind Resistance: Take-off Level 6 / Cruising Level 5
- Launch Method: VTOL Vertical Take-off

Product Description

G.04 Heavy-Lift Gasoline UAV

The **G.04** is a high-performance gasoline engine-powered VTOL fixed-wing unmanned aerial vehicle, engineered for **Disaster Relief**. Featuring a 3557mm wingspan and 79.6kg payload capacity, this UAV delivers exceptional 376-minute endurance and 1438km operational range. The entire airframe is constructed from **aviation-grade carbon fiber composite**, ensuring an optimal balance of structural strength and lightweight portability.

Equipped with an advanced flight control system and modular payload architecture, the G.04 supports rapid mission reconfiguration. Its VTOL capability eliminates the need for runways, enabling deployment from confined spaces. The IPX4 protection rating ensures reliable operation in challenging environmental conditions.

Key Features

Advanced VTOL Capability – Vertical takeoff and landing without runway infrastructure, deployable from ships, rooftops, or compact terrain

Full Carbon Fiber Airframe – Aerospace-grade composite construction for 66.1kg lightweight design with industry-leading strength-to-weight ratio

Gasoline Engine Power System – Optimized for 376min continuous flight with efficient fuel/energy management and redundant safety protocols

79.6kg Payload Capacity – Modular bay accommodates EO/IR cameras, LiDAR, SAR radar, communication relays, and custom mission equipment

1438km Operational Range – Beyond-line-of-sight capability with secure datalink and autonomous return-to-home fail-safe

IPX4 Environmental Protection – Reliable operation in rain, dust, and extreme temperatures from -20°C to 50°C

Specifications

Model	G.04
Wingspan	3557 mm
Length	2817 mm
Airframe Material	Aviation Carbon Fiber Composite
Engine	Gasoline Engine
Payload	79.6 kg
Maximum Takeoff Weight	94.5 kg
Cruise Speed	65 m/s
Endurance	376 min

Max Range	1438 km
Service Ceiling	4291 m
Protection Degree	IPX4
Launch Method	VTOL Vertical Take-off

FAQ

▼ **What missions is the G.04 best suited for?**

The G.04 is optimized for **Disaster Relief** operations, with its 79.6kg payload and 1438km range making it ideal for extended-duration missions requiring reliable beyond-line-of-sight communication.

▼ **Can the payload configuration be customized?**

Yes, the modular payload bay supports rapid swapping between EO/IR gimbals, LiDAR scanners, multispectral cameras, SAR systems, and communication relay equipment based on mission requirements.

▼ **How does the VTOL transition work?**

The G.04 uses a seamless transition flight controller that automatically manages the conversion from vertical hover to fixed-wing cruise flight, requiring no manual pilot intervention during transition.

▼ **What training is required to operate this UAV?**

Basic operator training typically takes 3-5 days, covering mission planning, pre-flight checks, emergency procedures, and data post-processing. Advanced payload operation training is available separately.

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