



Gasoline Engine G.01 VTOL Fixed-Wing Heavy-Lift Gasoline UAV 3706mm Wingspan 25.1kg Payload 3738m Ceiling

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: GS
- Certification: CE, ISO, MIL-STD
- Model Number: G.01
- Minimum Order Quantity: 2
- Price: \$50,000-\$250,000
- Packaging Details: Military-standard transport case with pressure equalization valve
- Delivery Time: 18 working days
- Payment Terms: T/T
- Supply Ability: 50



Product Specification

- Model: G.01
- Wingspan: 3706 Mm
- Length: 2440 Mm
- Airframe Material: Aviation Carbon Fiber Composite
- Engine: Gasoline Engine
- Payload: 25.1 Kg
- Take-off Mass: 92.7 Kg
- Cruise Speed: 63 M/s
- Endurance: 688 Min
- Max Range: 552 Km
- Altitude: 3738 M
- Protection Degree: IPX4
- Temperature: -20°C ~ 50°C
- Wind Resistance: Take-off Level 6 / Cruising Level 7
- Launch Method: Rocket-Assisted Launch

for more products please visit us on uav-vtoldrone.com

G.01 Heavy-Lift Gasoline UAV

The **G.01** is a high-performance gasoline engine-powered VTOL fixed-wing unmanned aerial vehicle, engineered for **Heavy Equipment Transport**. Featuring a 3706mm wingspan and 25.1kg payload capacity, this UAV delivers exceptional 688-minute endurance and 552km 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.01 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 64.9kg lightweight design with industry-leading strength-to-weight ratio

Gasoline Engine Power System – Optimized for 688min continuous flight with efficient fuel/energy management and redundant safety protocols

25.1kg Payload Capacity – Modular bay accommodates EO/IR cameras, LiDAR, SAR radar, communication relays, and custom mission equipment

552km 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.01
Wingspan	3706 mm
Length	2440 mm
Airframe Material	Aviation Carbon Fiber Composite
Engine	Gasoline Engine
Payload	25.1 kg
Maximum Takeoff Weight	92.7 kg
Cruise Speed	63 m/s
Endurance	688 min

Max Range	552 km
Service Ceiling	3738 m
Protection Degree	IPX4
Launch Method	Rocket-Assisted Launch

FAQ

▼ What missions is the G.01 best suited for?

The G.01 is optimized for **Heavy Equipment Transport** operations, with its 25.1kg payload and 552km 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.01 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.



Guangzhou Gesai Intelligent Electronic Technology Co., Ltd.



Kellyyangjing2021@outlook.com



uav-vtoldrone.com

Fuli Yingtong Building, the Pearl River New Town, Tianhe District, Guangzhou, Guangdong, China