Gasoline Engine G.10 VTOL Fixed-Wing Heavy-Lift Gasoline UAV 4679mm Wingspan 45.7kg Payload 4285m Ceiling

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: GS
- Certification: CE, ISO, MIL-STD
- Model Number: G.10
- Minimum Order Quantity: 1
- Price: $50,000-$250,000
- Packaging Details: Aviation-grade protective foam case with reinforced aluminum outer shell
- Delivery Time: 27 working days
- Payment Terms: L/C
- Supply Ability: 100

Product Specification

- Model: G.10
- Wingspan: 4679 Mm
- Length: 2684 Mm
- Airframe Material: Aviation Carbon Fiber Composite
- Engine: Gasoline Engine
- Payload: 45.7 Kg
- Take-off Mass: 182.7 Kg
- Cruise Speed: 52 M/s
- Endurance: 465 Min
- Max Range: 795 Km
- Altitude: 4285 M
- Protection Degree: IPX4
- Temperature: -20°C ~ 50°C
- Wind Resistance: Take-off Level 6 / Cruising Level 7
- Launch Method: VTOL Vertical Take-off

G.10 Heavy-Lift Gasoline UAV

The **G.10** is a high-performance gasoline engine-powered VTOL fixed-wing unmanned aerial vehicle, engineered for **Cargo Delivery**. Featuring a 4679mm wingspan and 45.7kg payload capacity, this UAV delivers exceptional 465-minute endurance and 795km 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.10 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 127.9kg lightweight design with industry-leading strength-to-weight ratio

Gasoline Engine Power System – Optimized for 465min continuous flight with efficient fuel/energy management and redundant safety protocols

45.7kg Payload Capacity – Modular bay accommodates EO/IR cameras, LiDAR, SAR radar, communication relays, and custom mission equipment

795km 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.10
Wingspan	4679 mm
Length	2684 mm
Airframe Material	Aviation Carbon Fiber Composite
Engine	Gasoline Engine
Payload	45.7 kg
Maximum Takeoff Weight	182.7 kg
Cruise Speed	52 m/s
Endurance	465 min

Max Range	795 km
Service Ceiling	4285 m
Protection Degree	IPX4
Launch Method	VTOL Vertical Take-off

FAQ

▼ **What missions is the G.10 best suited for?**

The G.10 is optimized for **Cargo Delivery** operations, with its 45.7kg payload and 795km 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.10 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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