

Precision, Standoff, Affordable, Resupply

LG-1K TACAD

Tactical Air Delivery



U.S. Patent 10,040,549 B2
"Single Use Logistic Glider"

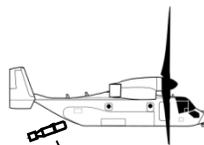


The LG-1K TACAD (Tactical Air Delivery) glider is a low-cost, expendable airdrop system providing aerial delivery of supplies to distributed ground forces. Gliders could be released at altitudes up to 25,000 feet and carry as much as 700 pounds of cargo to Marine units located up to 70 miles away. Released from a variety of military fixed-wing or rotary-wing aircraft such as the MV-22, CH-53, or KC-130, each LG-1K glider could provide an affordable, fast, all-weather resupply method with similar accuracy as precision-guided parafoil systems. A parachute deployed at low altitude could allow delivery of cargo into urban environments or through jungle canopies.

The LG-1K was developed by Logistic Gliders of Dixon, California under contract from the Marine Corps Warfighting Lab Futures Directorate, with the goal to sustain a small Marine unit with a day's supplies without further burdening the unit or revealing the unit's position.

Standoff, precision aerial resupply will likely enable future operating concepts where military ground forces are unaffected by vulnerable Lines of Communication (LOCs). The glider's long standoff range minimizes a manned aircraft's exposure to Surface to Air Missiles (SAM) or small arms fire.

Logistic Gliders was founded in 2011 to develop ground breaking innovations in precision aerial resupply.



Payload: ≥ 700 lbs (317 kg)
Cargo Volume: 31 ft³ (0.88 m³)
Length: 10.4 ft (3.2 m)
Wingspan: 23.2 ft (7.1 m)
Best Glide Speed: 103 kts (190 km/hr)

Up to 70 miles

Provide supplies regardless of:



IEDs



CBRNE



WX



NO FLY



SAMs



- Enabling Standoff Precision Resupply
- High Speed & Long Range
- Low Visual & Acoustic Signature
- Chute allows delivery into urban areas
- Low Cost – essentially a wooden box
- Designed for one-time use



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