

# SILENT ARROW

HEAVY PAYLOAD AUTONOMOUS CARGO DELIVERY UAS

## GD-700

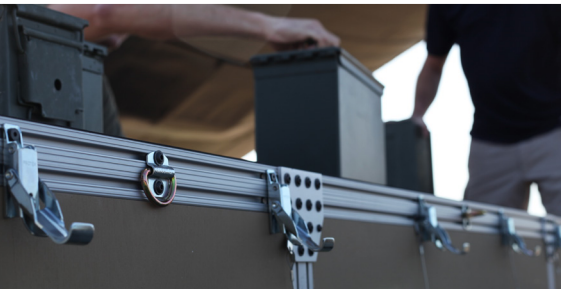
GLIDER / DISPOSABLE / 700 LBS.



## SILENT ARROW<sup>®</sup>

is the world's most efficient standoff delivery platform, safely transporting 700 lbs. of critically needed cargo anywhere in the world at the revolutionary cost of \$9-\$18 per lb.

*\$9 per lb. available to US government entities for 2018 orders of 1,000 or more aircraft*



YATES ELECTROSPACE CORPORATION / WORLD LEADERS IN UNMANNED CARGO DELIVERY SOLUTIONS

[YATESELECTROSPACE.COM](http://YATESELECTROSPACE.COM)

# SILENT ARROW

HEAVY PAYLOAD AUTONOMOUS CARGO DELIVERY UAS

**SILENT ARROW®** is a tandem-wing, disposable, heavy payload, autonomous UAS glider designed and built in the United States by Yates Electrospace Corporation to resupply distributed ground forces at up to 10X less cost than parachute drops and with enhanced safety to equipment and personnel. At between \$9-\$18 per delivered pound, Silent Arrow® is the most efficient standoff delivery platform in the world.\*

Airborne casualties are reduced by the glide ratio of 10:1, which provides a standoff safety margin for delivery assets such as C-130, CH-53 or MV-22 air drop crews of between 12,000'-25,000' vertically with a corresponding standoff distance of 23-49 miles, respectively — well out of reach of man portable surface-to-air weapons while simultaneously protecting the location of the resupplied ground units.

Additionally, the insidious IED threat to resupply convoys is eliminated through Silent Arrow's capability of reliable, stealthful and highly precise aerial delivery.

PARAMETER	SPEC U.S.	SPEC INT'L
Gross Weight	1000 lbs	453.5 kg
Cargo Weight	700 lbs	317.5 kg
Length	8 ft	2.43 m
Wingspan	14 ft max span, 28 ft effective	4.2 m max span, 8.5 m effective
Range (12,000 AGL Drop)	23 SM Horizontal Standoff	37 km
Range (25,000 AGL Drop)	49 SM Horizontal Standoff	79 km
Cargo Volume	21.3 cu/ft	0.6 cu/m
Landing Accuracy	100 ft CEP	30.4 m CEP
Landing Speed	0 ft/sec, Full Stall @ < 60 kts	
Avionics	Modified COTS A/P, GPS, Baro, Pitot, LiDAR, Telemetry	

*An electrically-powered extended range / persistent version of Silent Arrow® is available (ER-700) enabling multiple-use operations and ground-based take-off and recovery from improvised airfields as well as air drop.*

Contact: [orders@yateselectrospace.com](mailto:orders@yateselectrospace.com)

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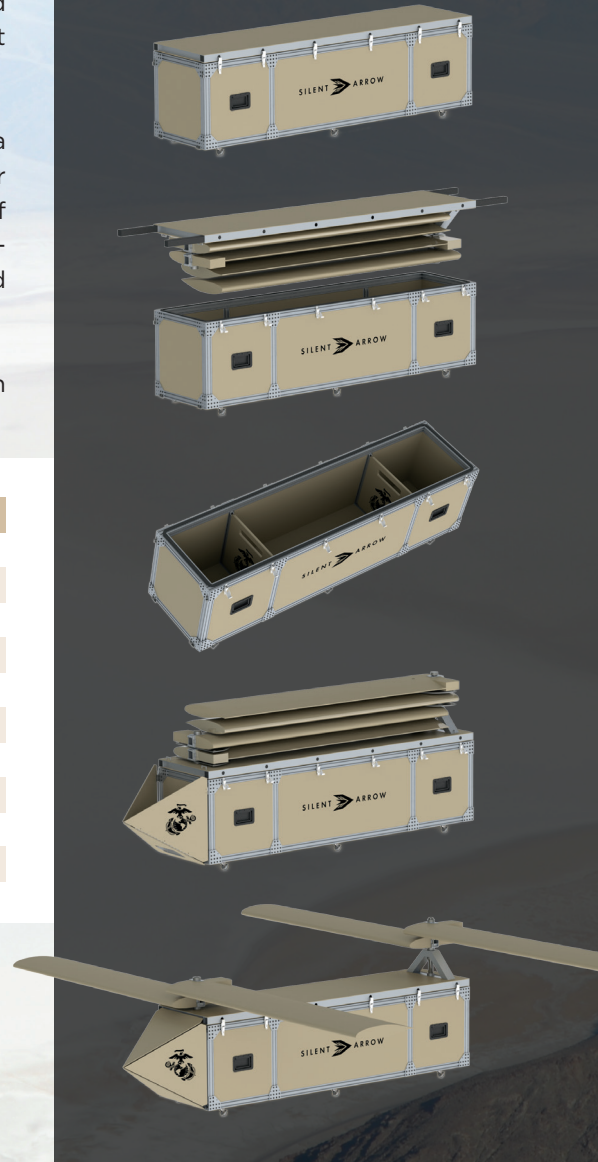
Yates Electrospace Corporation  
Inyokern Airport, Hangar #3  
1669 Airport Road  
Inyokern, CA 93527

## GD-700

GLIDER / DISPOSABLE / 700 LBS.

### SIMPLE CONOPS

2' x 2' x 8' Form Factor



Silent Arrow® is a registered trademark of Yates Electrospace Corporation and is protected by one or more of the following patents: 9,043,106 / 9,340,299 / 9,650,138 / 9,815,563 / 9,868,526 and 15/198,946. © 2018 Yates Electrospace Corporation

\*Based on publicly available research of known autonomous resupply aircraft with standoff capability as of 3/1/18