



[www.aeroglowinternational.com](http://www.aeroglowinternational.com)

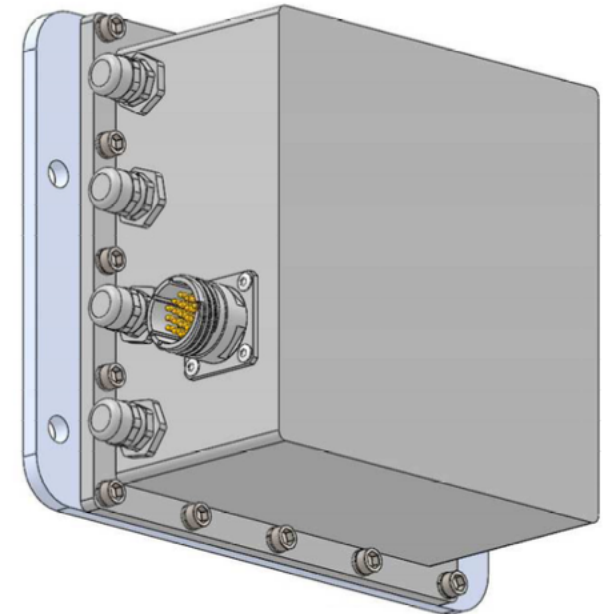
Keith White Call: +44 777 614 7803  
[keithwhite@aeroglowinternational.com](mailto:keithwhite@aeroglowinternational.com)

Neil Ham Call: +44 7879 402 361  
[neilham@aeroglowinternational.com](mailto:neilham@aeroglowinternational.com)

## HaLO Egress Lighting - Ultra Capacitor Pack (UCP)

The power pack is designed specifically for (but not limited to) the AeroGlow International (AGI) Hatch Lighting and Orientation (HaLO) system. The Unit requires a 24-28V DC input (4A) from vehicle power for charging. Following an event, where vehicle battery power is most often lost, the UCP continues to provide isolated power to the HaLO escape lighting system. Its key features are:

- ➔ Built to last the life of the platform and remain totally maintenance free.
- ➔ Provides the User with through life cost savings, negating the need to purchase and manage replacement battery stock.
- ➔ Designed for direct replacement of existing HaLO battery pack.
- ➔ Designed and tested to withstand IED/crash and water events.
- ➔ Charges in 4 mins or less from vehicle start-up.
- ➔ Can power a HaLO system for up to 30 mins.
- ➔ Holds charge for approximately 3 months when isolated from vehicle power.
- ➔ Informs the user (via a push to test function) if charge power is lost.
- ➔ Fitted to the US Marine Corps ACV1.1 contender.
- ➔ Under assessment by UK MOD to replace all existing HaLO primary cell packs.



# Specification

Medium	Standards	Quotes
Environmental	DefStan 00-35 Part 4 Section1 Mil Std 501.5 to 502.5	-46 to + 70 Deg C including humidity, solar heating and marine environments.
Vibration	Mil Std 810F DefStan 00-35 Part 3	
Ballistic Shock	500g (all axis) 2ms, DefStan 00-35 Part 3	Test M3 - Extreme shock for armored fighting vehicles
Light Performance	7700 cd/m sq, exceeding Mil - PRF-85676A (AS) NATO STANAG 3870&3224	Optimized for penetration in turbid water
EMC/V	DeStan 59-411 ; Mil Std 461; DEFSTAN 61-5; Mil Std 501.5 to 502.5. MIL STD 465C.	Whole Platform EMC testing may be required by vehicle OEM as required
Water resistance	DefStan 0035, P3, CL29 Mil Std 810G 512.5	Proven to 50m. 6 Bar AP.
Contaminates	DefStan 00-35, P3, Ch 4-04,CN4 Mil Std 810G 504.1	
NVG	Mil-L-85672A p3.10.9.8	In-service tested in an operationally representative environment.
Dust	Def Stan 00-35, Ch3-25, CL25 Mil Std 810F 510.5	
Human Factors	Def Stan 00-250 P1	
Weight		Typical weight 10Kg total

**Patent protected unrivalled technology.**

AGIs HaLO (Hatch Lighting & Orientation) System is protected by US patent US8253337B2, UK patent GB2472090, EU patent pending EP2278566. Furthermore HaLO is protected by various Europe-wide registered designs 001593153.

Proprietary Information and Design - Commercial in Confidence

[www.aeroglowinternational.com](http://www.aeroglowinternational.com)

