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HaLO Egress Lighting - Ultra Capacitor Pack (#AG-CAP2)

The CAP2 capacitor pack is designed to power the AeroGlow International (AGI) Hatch Lighting and Orientation (HaLO) system. Following an event, where vehicle battery power is most often lost, the CAP2 unit continues to provide isolated power to the HaLO escape lighting system. The Unit requires a 24-28V DC input (4A) from vehicle power for charging. Its key features are:

- ➔ Contains no battery or chemical technology thus improving safety and ease of transportation.
- ➔ Designed to last the life of the platform and remain totally maintenance free.
- ➔ Allows unlimited use of HaLO lighting.
- ➔ Provides the User with through life cost savings, negating the need to purchase and manage replacement battery stock.
- ➔ Designed with colour coded Mil Std 38999 Connectors for quick installation.
- ➔ Designed and tested to withstand IED/crash and water events.
- ➔ Charges in 5-7 mins from vehicle start-up.
- ➔ Can fully illuminate HaLO system lighting for approx 15 mins.
- ➔ Product iteration of AGI capacitor packs in-service with USMC ACV 1.1 Platform.



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
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 10m. 2 Bar AP.
Contaminates	DefStan 00-35, P3, Ch 4-04,CN4 Mil Std 810G 504.1	
Dust	Def Stan 00-35, Ch3-25, CL25 Mil Std 810F 510.5	
Human Factors	Def Stan 00-250 P1	
Weight		2Kg

Patent protected unrivalled technology.

AGI's 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

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