



HAWKER[®] **AGM Batteries**

Aerospace and Defense Energy Storage Solutions



Photo by: Marine Corps Lance Corporal Dalton S. Swanbeck

Combat and Tactical Vehicle Batteries

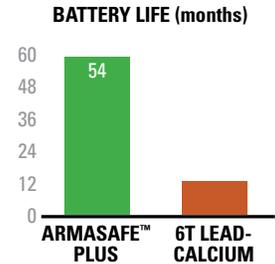
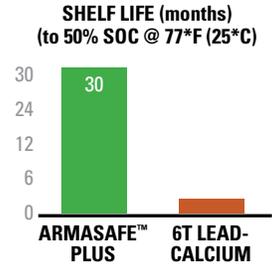


NSN 6140-01-485-1472 P/N 9750N7025

- High starting power
- Long shelf life
- Virtually maintenance-free
- Longer operational life
- Environmentally safe
- Lower life-cycle cost
- Deep reserve capacity
- Air, land and sea transportable

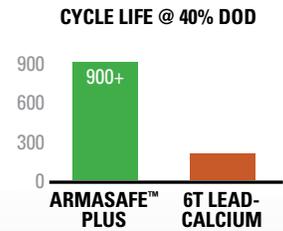


**QUALIFIED/TESTED TO:
MIL-PRF-32143**



COMPARISON OF BATTERY SPECIFICATIONS

	ARMASAFE™ Plus 6TAGM	6TAGM Mil Spec (MIL-PRF 32143)	6TMF (Flooded Cell)
Size	NATO 6T	NATO 6T	NATO 6T
Nominal Voltage	12 Volts (12.9 VDC)	12 Volts	12 Volts (12.6 VDC)
CCA	1225	1100	725
Expected Operational Life	48-54 months	36 months	13 months
Shelf life	30 months @ 77°F (25°C)	24 months @ 77°F (25°C)	3 months @ 77°F (25°C)
Battery Type	Lead acid	Lead acid	Lead acid
Technology	VRLA, AGM, TPPL	VRLA, AGM or Gel	Flooded, lead-calcium
Transportation Class	Non-spillable (UN2800)	Non-spillable	Hazardous
Cycle Life (40% DOD)	900+	360	235
Deep Cycle Life (100% DOD)	180+	120	N/A
Reserve Capacity	240 mins	230 mins	200 mins
Capacity	120 Ah C20	120 Ah C20	120 Ah C20
Useable Reserve	70% DOD	70% DOD	30% DOD
Internal Resistance	0.0017 Ohms	0.002 Ohms	0.009 Ohms
Weight	88 lbs (40 kg)	90 lbs (40.75 kg)	75 lbs (34 kg)



VRLA - Valve Regulated Lead Acid
 AGM - Absorbed Glass Mat
 TPPL - Thin Plate Pure Lead
 DOD - Depth of Discharge

P/N 2HES4000 / SVRLA C Cell



Submarine Batteries

EnerSys® offers a wide range of technologies to meet the varying demands and challenges faced by naval operations, whether near their home port or deep at sea. Hawker® submarine batteries span a wide range of tubular and flat plate cell design, serving as both standby power in nuclear-powered submarines as the main propulsion in diesel electric submarines.

EnerSys is qualified to supply batteries to all four classes of the U.S. Navy submarines.

QUALIFIED/TESTED TO: MIL-PRF-32273

For information on submarine batteries, contact us at:
610.208.1991 • www.enersys.com

24-Volt Military Aviation Batteries

	Application	Part No.	NSN	Weight (lbs)	Dimensions (in)			Specification	Ah Capacity at C1
					L	W	H		
	H-53 and EA-6B Prowler	F0774-3009	6140-01-474-6576	6.8	8.50	4.00	3.80	MIL D8565/1-2	1.5
	F-18 Hornet	F0774-3005	6140-01-131-8104	26.0	6.70	11.50	5.80	MIL D8565/4-1	7.5
	C130 (Elcon Connector)	F0777-3021	6140-01-266-1633	80.2	9.80	10.00	10.30	MIL D8565/5-1	30
	C130 (Cannon Connector)	F0777-3022	6140-01-266-1634	80.2	9.80	10.00	10.30	MIL D8565/5-2	30
	Apache	F0810-0501	6140-01-267-9594	6.4	6.80	7.00	3.30	MIL D8565/6-1	1.5
	AV8B Harrier and V-22 Osprey	F0774-3010	6140-01-422-0006	64.0	11.60	11.70	9.10	MIL D8565/7-2	24
	Blackhawk and Chinook F-4, F-5, T-38	F0769-6030	6140-01-286-6294	34.8	7.80	8.40	7.80	MIL D8565/11-1	10
	KC135 and C-130J	F0777-3020	6140-01-399-6835	90.0	9.90	11.00	10.40	MIL D8565/15-1	35
	UH-60/UH-60M and Blackhawk	F0772-3005	6140-01-498-2223	14.6	9.30	7.70	4.60	MIL D8565/16-1	5
	T-45 Hawk and U2	9750-0740	6140-99-778-1749 (UK) 6140-01-571-2954 (US)	42.0	12.50	9.60	6.40		18
	F-16 Pre-Block 40	9750S0746	6140-01-458-4863	50.0	11.70	12.10	6.40		15
	F-16 Post-Block 40/50	9750S0788	6140-01-492-0227	50.0	11.20	10.40	6.40		17
	B1B	9750S0833	6140-01-417-3244	48.0	10.30	10.80	6.50		15
	B-52	F0777-3023	6140-01-520-6830	90.0	11.80	11.50	10.20		35
	HU25	F0774-3012	6140-01-HS1-7599	64.0	11.80	9.80	8.60		25
	OH-58 A/C and COBRA	F0773-3007	6140-01-527-4592	49.0	12.20	12.00	6.40		18

HAWKER Battery Advantages:

- Shipped from the factory fully charged
- Inspection-free, commissioning ready storage life of two years when stored at or under 77°F (25°C)
- Completely sealed and virtually maintenance-free
- Thermal sensors not required
- Thin Plate Pure Lead (TPPL) grids provide longer operational life
- Recovers from deep discharge
- Altitude rating: -15,000 ft. (-4,572 m) to 70,000 ft. (21,336 m)
- Operating temperature range: -40°F (-40°C) to 160°F (71°C)

For information about military aviation batteries, contact us at:

610.208.1991 • www.enersys.com

24-Volt General/Commercial Aviation Batteries

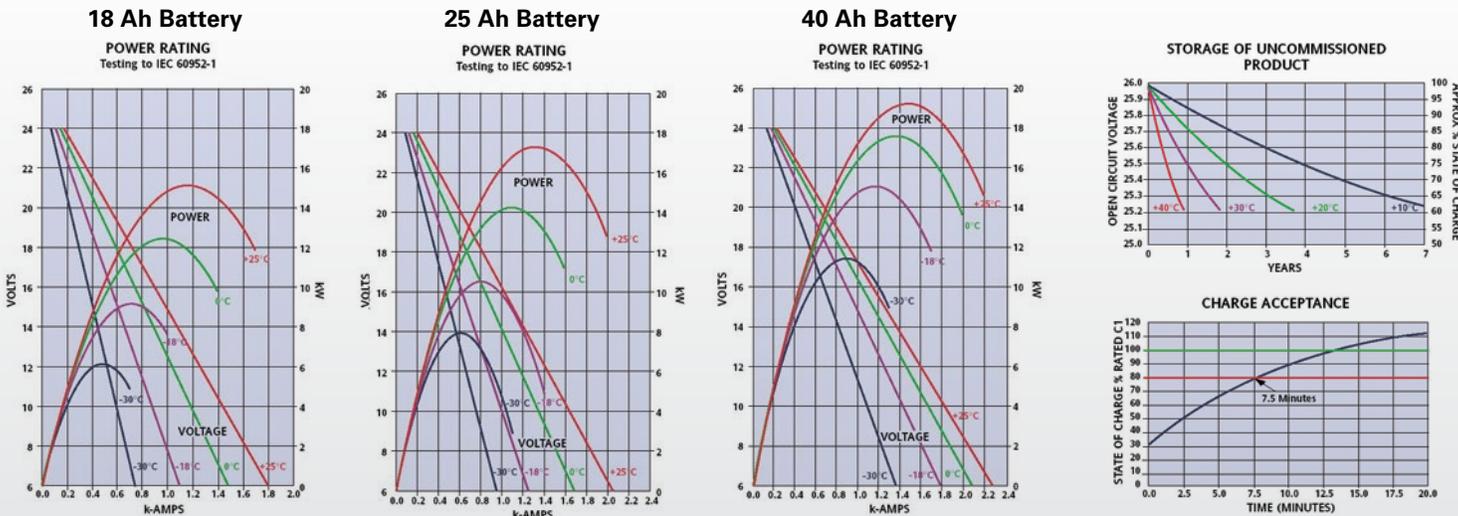


Application	Part No.	NSN	Weight (lbs)	Dimensions (in)			Ah Capacity at C1
				L	W	H	
Boeing 777	9750B0818		14.5	3.50	12.80	4.50	5
CRJ and ATR 42/72	9750W0350		48.0	12.80	6.50	8.30	18
Eclipse 500	F0773-3005		43.3	11.50	7.80	6.40	22
Bae 146, Hawker HS 125 - 900XP (includes 750), EH101	9750W0640	6140-01-497-2438	59.5	11.90	9.50	8.90	25
Cessna	9750W0360		60.0	11.60	9.50	8.50	28
Cessna 208, Pilatus PC, G II, Gill, ATR 42/72, Challenger 600/601, MU-2B-36, -36A, -60	9750W0538	6140-01-497-2436	83.8	11.10	12.00	10.40	40
CRJ, Cessna 500 Series, Citation Series, DHC-8/Q Series, Falcon 2000, King Air Series	9750W0370		91.0	11.30	11.80	10.70	43
Gulfstream 450	9750W0380		89.0	13.20	10.20	10.20	45
Dassault Falcon 7X	9750W0390		55.1	12.40	8.30	8.90	25
Cessna C-170 / C-180 / C-195 and Piper PA-18 / PA-19	F0769-4005*		14.8	7.15	3.01	6.61	12.3

*12-Volt Aviation Battery

All Hawker® aviation batteries are classified as non-spillable and unrestricted for land, sea or air transportation per US D.O.T. Regulation 49 C.F.R. Section.173.159 paragraph d when correctly packaged. These batteries need very little maintenance, have no memory effect and do not suffer fading. Depending on application, operation and use, these batteries can last up to five years, allowing a fit-and-forget installation. Maintenance, when required, is simple and quick; only visual inspection and a capacity test are needed. A dedicated lead acid battery shop is not required, as the batteries can be serviced in an existing Nickel-Cadmium (Ni-Cd) battery shop.

Battery Power Curves



For more information on general and commercial aviation batteries, contact Securaplane at:
800.279.7327 • www.securaplane.com

12-Volt Tactical Vehicle Batteries

	Application	Part No.	NSN	Weight (lbs)	Dimensions (in)			Model (Group Size)	Ah Capacity at C20
					L	W	H		
	Construction Equipment / Tactical Trucks	0790-2510	6140-01-520-7112	78.0	13.00	6.80	9.40	MILPC G31 TT (Group 31)	100
	Construction Equipment / Tactical Trucks	0790-2512	6140-01-662-7350	78.0	13.00	6.80	9.60	MILPC G31 SAE (Group 31)	100
	Construction Equipment / Tactical Trucks	0787-2025	In Process	58.0	11.83	7.18	7.43	MILPC G65 (Group 65)	74
	Construction Equipment / Tactical Trucks	0771-4010	6140-01-484-5373	60.9	13.02	6.62	7.78	MILPC 1700	68
	Construction Equipment / Tactical Trucks	0785-2027	6140-01-663-7195	49.5	10.85	6.76	7.90	MILPC G34 (Group 34)	68
	Construction Equipment / Tactical Trucks	0785-2025	6140-01-600-5837	49.5	10.85	6.99	7.90	MILPC G34/78 (Group 34/78)	68
	Construction Equipment / Tactical Trucks	0785-2026	In Process	49.5	10.85	6.99	7.28	MILPC G78 (Group 78)	68
	Generators / Utility Equipment	0766-4015	6140-01-484-5349	38.2	7.87	6.66	7.60	MILPC 1200	42
	Generators / Utility Equipment / ATVs	0765-4010	6140-01-484-5352	23.8	6.64	7.05	5.83	MILPC 925	28
	Auxiliary Equipment / ATVs	0769-4010	6140-01-484-5343	15.4	7.27	3.11	7.55	MILPC 680	16
	Auxiliary Equipment / ATVs	0768-4010	6140-01-484-5376	13.2	6.70	3.90	6.95	MILPC 625	18
	Auxiliary Equipment / ATVs	0770-4010	6140-01-484-5341	12.6	7.00	3.37	5.17	MILPC 545	13

HAWKER® MIL PC AGM Batteries

Hawker® MIL PC Absorbed Glass Mat (AGM) batteries are sized for a wide range of military vehicles and auxiliary equipment. The unique TPPL construction provides virtually maintenance-free operation, longer life, deep cycle capability, vibration resistance, higher starting power and high reliability.

Sized for a wide range of uses:

- Tactical vehicles
- Construction equipment
- Auxiliary equipment
- Tactical generators
- Non-tactical trucks
- All Terrain Vehicles (ATVs)
- Controlled remote weapon stations
- Renewable energy storage

Built with the following advantages:

- High starting power
- Ready for immediate use
- Sealed - virtually maintenance-free
- Longer life/Deep cycle
- Environmentally safe
- Deep reserve capacity
- Air transportable/Non-spillable

24-Volt MK 38 Gun Battery



Application	Part No.	NSN	Weight (lbs)	Dimensions (in)			Model	Ah Capacity
				L	W	H		
US Navy MK 38 Gun	0774-3003	6140-01-501-5933	64.8	9.50	10.80	10.70	MK 38 Gun Battery	45Ah @ C20 25Ah @ C1

For more information on tactical vehicle batteries, contact us at:
877.485.1472 • www.hawkerbattery.com

Powerful Solutions for a Global Marketplace

EnerSys® , the global leader in stored energy solutions for industrial applications, manufactures and distributes energy systems solutions and motive power batteries, specialty batteries, battery chargers, power equipment, battery accessories and outdoor equipment enclosure solutions to customers worldwide. Energy Systems, which combine enclosures, power conversion, power distribution and energy storage, are used in the telecommunication, broadband and utility industries, uninterruptible power supplies and numerous applications. Motive power batteries and chargers are utilized in electric forklift trucks and other industrial electric powered vehicles requiring stored energy solutions. Specialty batteries are used in aerospace and defense applications, large over-the-road trucks, premium automotive, medical and security systems applications. EnerSys also provides aftermarket and customer support services to its customers in over 100 countries through its sales and manufacturing locations around the world. With the recent NorthStar acquisition, EnerSys has solidified its position as the market leader for premium Thin Plate Pure Lead batteries, which are sold across all three lines of business. More information regarding EnerSys can be found at www.enersys.com.



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