

12 Volt MILPC AGM Batteries for Defense Applications Performance Specifications

MILPC Model (Ah @ 20 hr. rate)												
	545 (13Ah)	680 (16Ah)	625 (18Ah)	925 (28Ah)	1200 (42Ah)	1700 (68Ah)	Group 34 (68Ah)	Group 34/78 (68Ah)	Group 78 (68Ah)	Group 65 (74Ah)	Group 31TT (100Ah)	Group 31SAE (100Ah)
Part Number	0770-4010	0769-4010	0768-4010	0765-4010	0766-4015	0771-4010	0785-2027	0785-2025	0785-2026	0787-2025	0790-2510	0790-2512
NSN (6140-01-)	484-5341	484-5343	484-5376	484-5352	484-5349	484-5373	663-7195	600-5837	In Process	In Process	520-7112	662-7350
PHCA [5s @ 80°F (27°C)]	460A	520A	540A	900A	1200A	1550A	1500A	1500A	1500A	1750A	2150A	2150A
CCA [30s @ 0°F (-18°C)]	150A	170A	220A	330A	540A	810A	850A	850A	850A	950A	1150A	1150A
MCA [30s @ 32°F (90°C)]	220A	280A	330A	480A	725A	1175A	1050A	1050A	1050A	1070A	1370A	1370A
HCA [30s @ 80°F (27°C)]	280A	350A	400A	610A	860A	1325A	1250A	1250A	1250A	1350A	1545A	1545A
Reserve Capacity	18 min.	24 min.	26 min.	48 min.	78 min.	142 min.	135 min.	135 min.	135 min.	145 min.	205 min.	205 min.
Terminals	M6 receptacle (SAE optional) ¹		M6 Nut/Bolt	M6 receptacle (SAE optional) ¹			SAE	Top SAE and Side 3/8 threaded receptacle	3/8 (9.5mm) threaded receptacle	SAE	Threaded stud (Left Positive)	SAE (Left Positive)
Terminal Torque in lb. (Nm)	50 (5.6)	50 (5.6)	40 (4.5)	60 (6.8)	60 (6.8)	60 (6.8)	60 (6.8)	60 (6.8)	60 (6.8)	60 (6.8)	150-200 (22.6)	N/A
Length, in. (mm)	7.00 (177.8)	7.27 (184.7)	6.70 (170.2)	6.64 (168.6)	7.87 (199.9)	13.02 (330.7)	10.85 (275.6)	10.85 (276.0)	10.85 (276.0)	11.83 (301.0)	13.0 (330.2)	13.0 (330.2)
Width, in. (mm)²	3.37 (85.6)	3.11 (79.0)	3.90 (99.1)	7.05 (179.0)	6.66 (169.1)	6.62 (168.2)	6.76 (171.7)	6.99 (177.5)	6.99 (177.5)	7.18 (183.0)	6.8 (172.7)	6.8 (172.7)
Height, in. (mm)³	5.17 (131.3)	7.55 (191.8)	6.95 (176.5)	5.83 (148.1)	7.60 (193.0)	7.78 (197.6)	7.9 (200.7)	7.9 (200.7)	7.28 (185.4)	7.43 (190.0)	9.4 (238.3)	9.6 (243.6)
Weight, lb. (kg)	12.6 (5.7)	15.4 (7.0)	13.2 (6.0)	23.8 (10.8)	38.2 (17.4)	60.9 (27.6)	49.5 (22.4)	49.5 (22.4)	49.5 (22.4)	58.0 (26.3)	78.0 (35.4)	78.0 (35.4)
Cycle Life @ 77°F (25°C)	300 at 100% DOD and 14.7V charge for 16 to 24 hours 400 at 80% DOD and 14.7V charge for 16 to 24 hours											
Temperature Range	-40°F (-40°C) to 176°F (80°C)		-40°F (-40°C) to 113°F (45°C)			-40°F (-40°C) to 176°F (80°C)						
Resistance at 1 kHz @ 77°F (25°C)	10mOhm	7mOhm	7mOhm	5mOhm	4.5mOhm	3.5mOhm	2.5mOhm	2.5mOhm	2.5mOhm	2.0mOhm	2.2mOhm	2.2mOhm
Short Circuit Cur- rent⁴	450A	630A	800A	1100A	1500A	2400A	1800A	1800A	1800A	2500A	3000A	3000A
Flame Retardant	X	X		X	X	X						
Metal Jacket	X	X		X	X	X						

1 SAE Terminal Field Conversion Kit PN 3217-0006

2 Width dimensions measured on terminal side for 75/86 and 34/78 and include metal jacket for 545, 680, 925, 1200 and 1700

3 Height dimensions indicate maximum height with optional equipment included

4 Short Circuit to IEC-60896