

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 75/86 (55Ah)	Group 34 (68Ah)	Group 34/78 (68Ah)	Group 78 (68Ah)	Group 65 (74Ah)	Group 31 (100Ah)
Part Number	0770-4010	0769-4010	0768-4010	0765-4010	0766-4015	0771-4010	0788-2025	0785-2027	0785-2025	0785-2026	0787-2025	0790-2410
NSN (6140-01-)	484-5341	484-5343	484-5376	484-5352	484-5349	484-5373	In Process	In Process	In Process	In Process	In Process	520-7112
PHCA (5s @ 80°F / 27°C)	460A	520A	540A	900A	1200A	1550A	1230A	1500A	1500A	1500A	1750A	2150A
CCA (30s @ 0°F / -18°C)	150A	170A	220A	330A	540A	810A	760A	850A	850A	850A	950A	1150A
MCA (30s @ 32°F / 0°C)	220A	280A	330A	480A	725A	1175A	815A	1050A	1050A	1050A	1070A	1370A
HCA (30s @ 80°F / 27°C)	280A	350A	400A	610A	860A	1325A	1050A	1250A	1250A	1250A	1350A	1545A
Reserve Capacity	18 min.	24 min.	27 min.	48 min.	78 min.	142 min.	110 min.	135 min.	135 min.	135 min.	145 min.	205 min.
Terminals	M6 receptacle (SAE optional) ¹		M6 receptacle	M6 receptacle (SAE optional) ¹			Top SAE and Side 3/8" threaded receptacle	SAE	Top SAE and Side 3/8" threaded receptacle	Side 3/8" threaded receptacle	SAE	Threaded stud (SAE optional) ²
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)	60 (6.8)	Threaded Stud Only 150-200 (16.9 -22.6 Nm)
(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)	9.5 (240.0)	10.85 (275.6)	10.9 (276.0)	10.9 (276.0)	11.8 (301.0)	13.0 (330.0)
(B) Width, in. (mm)³	3.37 (85.6)	3.11 (79.0)	3.90 (99.1)	7.05 (179.0)	6.66 (169.1)	6.62 (168.2)	7.0 (178.0)	6.76 (171.7)	7.1 (180)	7.1 (180)	7.2 (183.0)	6.8 (173.0)
(C) Height, in. (mm)⁴	5.17 (131.3)	6.67 (169.4)	6.89 (175.0)	5.04 (128.0)	6.80 (172.7)	6.93 (176.0)	7.9 (201.0)	7.88 (200.2)	7.8 (198.1)	7.3 (185.4)	7.4 (189.0)	9.4 (239.0)
Weight, lb. (kg)⁵	12.6 (5.7)	15.4 (7.0)	13.7 (6.2)	26.0 (11.8)	38.2 (17.4)	60.9 (27.6)	45.4 (20.6)	49.5 (22.4)	49.5 (22.4)	49.5 (22.4)	58.0 (26.3)	78.0 (35.4)
Cycle Life @ +25°C (+77°F)	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°C to +80°C (-40°F to +176°F)		-40°C to +45°C (-40°F to +113°F)	-40°C to +80°C (-40°F to +176°F)								
Resistance at 1 kHz @ +25°C (+77°F)	10mOhm	7mOhm	7mOhm	5mOhm	4.5mOhm	3.5mOhm	2.5mOhm	2.5mOhm	2.5mOhm	2.5mOhm	2.0mOhm	2.2mOhm
Short Circuit Current	1200A	1800A	1800A	2400A	2600A	3500A	3100A	3100A	3100A	3100A	5000A	5000A
Solvent Resistant			X				X	X	X	X	X	X
Flame Retardant	X	X		X	X	X						

¹ SAE Terminal Field Conversion Kit PN 3217-0006

² SAE Terminal Field Conversion Kit PN 3217-0049

³ Width dimensions measured on terminal side and include metal jacket, except on MILPC 625.

⁴ Add 0.75" for SAE terminals on MILPC 545, MILPC 680, MILPC 925, MILPC 1200, and MILPC 1700

⁵ MILPC 625, MILPC Group 34/78, MILPC Group 65, MILPC 31, MILPC Group 78, and MILPC Group 75/86 do not have metal jackets