



## 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 31TT (100Ah)	Group 31SAE (100Ah)
<b>Part Number</b>	0770-4010	0769-4010	0768-4010	0765-4010	0766-4015	0771-4010	0788-2025	0785-2027	0785-2025	0785-2026	0787-2025	0790-2510	0790-2512
<b>NSN (6140-01-)</b>	484-5341	484-5343	484-5376	484-5352	484-5349	484-5373	In Process	663-7195	600-5837	In Process	In Process	520-7112	662-7350
<b>PHCA [5s @ 80°F (27°C)]</b>	460A	520A	540A	900A	1200A	1550A	1230A	1500A	1500A	1500A	1750A	2150A	2150A
<b>CCA [30s @ 0°F (-18°C)]</b>	150A	170A	220A	330A	540A	810A	760A	850A	850A	850A	950A	1150A	1150A
<b>MCA [30s @ 32°F (90°C)]</b>	220A	280A	330A	480A	725A	1175A	815A	1050A	1050A	1050A	1070A	1370A	1370A
<b>HCA [30s @ 80°F (27°C)]</b>	280A	350A	400A	610A	860A	1325A	1050A	1250A	1250A	1250A	1350A	1545A	1545A
<b>Reserve Capacity</b>	18 min.	24 min.	26 min.	48 min.	78 min.	142 min.	110 min.	135 min.	135 min.	135 min.	145 min.	205 min.	205 min.
<b>Terminals</b>	M6 receptacle (SAE optional) <sup>1</sup>		M6 Nut/Bolt	M6 receptacle (SAE optional) <sup>1</sup>			Top SAE and Side 3/8 threaded receptacle	SAE	Top SAE and Side 3/8 threaded receptacle	3/8 (9.5mm) threaded receptacle	SAE	Threaded stud (Left Positive)	SAE (Left Positive)
<b>Terminal Torque in lb. (Nm)</b>	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)	150-200 (22.6)	N/A
<b>Length, in. (mm)</b>	7.00 (177.8)	7.27 (184.7)	6.70 (170.2)	6.64 (168.6)	7.87 (199.9)	13.02 (330.7)	9.46 (240.0)	10.85 (275.6)	10.85 (276.0)	10.85 (276.0)	11.83 (301.0)	13.0 (330.2)	13.0 (330.2)
<b>Width, in. (mm)<sup>2</sup></b>	3.37 (85.6)	3.11 (79.0)	3.90 (99.1)	7.05 (179.0)	6.66 (169.1)	6.62 (168.2)	7.09 (180.0)	6.76 (171.7)	6.99 (177.5)	6.99 (177.5)	7.18 (183.0)	6.8 (172.7)	6.8 (172.7)
<b>Height, in. (mm)<sup>3</sup></b>	5.17 (131.3)	7.55 (191.8)	6.95 (176.5)	5.83 (148.1)	7.60 (193.0)	7.78 (197.6)	8.0 (203.0)	7.9 (200.7)	7.9 (200.7)	7.28 (185.4)	7.43 (190.0)	9.4 (238.3)	9.6 (243.6)
<b>Weight, lb. (kg)</b>	12.6 (5.7)	15.4 (7.0)	13.2 (6.0)	23.8 (10.8)	38.2 (17.4)	60.9 (27.6)	43.4 (19.7)	49.5 (22.4)	49.5 (22.4)	49.5 (22.4)	58.0 (26.3)	78.0 (35.4)	78.0 (35.4)
<b>Cycle Life @ 77°F (25°C)</b>	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												
<b>Temperature Range</b>	-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)									
<b>Resistance at 1 kHz @ 77°F (25°C)</b>	10mOhm	7mOhm	7mOhm	5mOhm	4.5mOhm	3.5mOhm	2.5mOhm	2.5mOhm	2.5mOhm	2.5mOhm	2.5mOhm	2.0mOhm	2.2mOhm
<b>Short Circuit Current<sup>4</sup></b>	450A	630A	800A	1100A	1500A	2400A	1800A	1800A	1800A	1800A	2500A	3000A	3000A
<b>Flame Retardant</b>	X	X		X	X	X							
<b>Metal Jacket</b>	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



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