

12 Volt MIL PC AGM Batteries for Defense Applications Performance Specifications

| Item | MIL PC Model (Ah @ 10 hr. rate) | | | | | | | | |
|--|---|-----------------|---|--|-----------------|------------------|---------------------------------------|-----------------|--|
| | 545 (12Ah) | 680 (16Ah) | 625 (16Ah) | 925 (27Ah) | 1200 (40Ah) | 1700 (65Ah) | 1500 (62Ah) | 1750 (65Ah) | 2150 (92Ah) |
| Part Number | 0770-4010 | 0769-4010 | 0768-4010 | 0765-4010 | 0766-4015 | 0771-4010 | 0785-2025 | TDB | 0790-2410 |
| NSN (6140-01-) | 484-5341 | 484-5343 | 484-5376 | 484-5352 | 484-5349 | 484-5373 | In Process | In Process | 520-7112 |
| 5 sec. Hot Cranking Amps (HCA) | 545A | 680A | 625A | 925A | 1200A | 1700A | 1500A | 1750A | 2150A |
| CCA | 185A | 220A | 265A | 380A | 550A | 875A | 880A | 930A | 1150A |
| CA @ 0°C (+32°F) | 240A | 300A | 350A | 500A | 725A | 1175A | 1050A | 1070A | 1370A |
| HCA @ +27°C (+80°F) | 300A | 370A | 440A | 625A | 860A | 1325A | 1250A | 1350A | 1545A |
| Reserve Capacity | 18 min. | 24 min. | 27 min. | 52 min. | 78 min. | 142 min. | 135 min. | 135 min. | 205 min. |
| Terminals | M6 receptacle (SAE optional) ¹ | | M6 Stud | M6 receptacle (SAE optional) ¹ | | | Dual SAE/ Receptacle 3/8"-16 | SAE | Stud (SAE optional) ² |
| Terminal Torque, in lb. | 50 | 50 | 40 | 60 | 60 | 60 | 60 | 70 | 150-200 |
| (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) | 10.9 (276.0) | 11.8 (300.0) | 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) | 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) | 7.8 (199.0) | 7.4 (188.0) | 9.4 (238.0) |
| Weight, lb. (kg) ⁵ | 12.6 (5.7) | 15.4 (7.0) | 13.2 (6.0) | 26.0 (11.8) | 38.2 (17.4) | 60.9 (27.6) | 52.9 (24.0) | 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) | | | -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 | 2.0mOhm | 2.2mOhm |
| Short ckt. Current | >1,200A | >1,800A | >1,800A | >2,400A | >2,600A | >3,500A | 3,100A | 5,000A | 5,000A |
| Solvent Resistant | | | 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 MIL PC 625.

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

⁵ MIL PC 625, MIL PC 1500, MIL PC 1750, and MIL PC 2150 do not have metal jackets.