

## 12 Volt MILPC AGM Batteries for Defense Applications Performance Specifications

| MILPC Model (Ah @ 20 hr. rate)                 |   |                 |                                     |  |                 |                  |                       |   |  |                       |  |                           |
|--|---|-----------------|-------------------------------------|--|-----------------|------------------|-----------------------|---|--|-----------------------|--|---------------------------|
|  | 545<br>(13Ah)   | 680<br>(16Ah)   | 625<br>(18Ah)                       | 925<br>(28Ah)                                | 1200<br>(42Ah)  | 1700<br>(68Ah)   | Group<br>34<br>(68Ah) | Group<br>34/78<br>(68Ah)                          | Group<br>78<br>(68Ah)                    | Group<br>65<br>(74Ah) | Group<br>31TT<br>(100Ah)               | Group<br>31SAE<br>(100Ah) |
| <b>Part Number</b>                             | 0770-4010   | 0769-4010       | 0768-4010                           | 0765-4010                                    | 0766-4015       | 0771-4010        | 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         | 663-7195              | 600-5837  | In Process                               | In Process            | 520-7112                               | 662-7350                  |
| <b>PHCA<br/>[5s @ 80°F (27°C)]</b>             | 460A  | 520A            | 540A                                | 900A   | 1200A           | 1550A            | 1500A                 | 1500A   | 1500A                                    | 1750A                 | 2150A                                  | 2150A                     |
| <b>CCA<br/>[30s @ 0°F (-18°C)]</b>             | 150A  | 170A            | 220A                                | 330A   | 540A            | 810A             | 850A                  | 850A  | 850A                                     | 950A                  | 1150A                                  | 1150A                     |
| <b>MCA<br/>[30s @ 32°F (0°C)]</b>              | 220A  | 280A            | 330A                                | 480A   | 725A            | 1175A            | 1050A                 | 1050A   | 1050A                                    | 1070A                 | 1370A                                  | 1370A                     |
| <b>HCA<br/>[30s @ 80°F (27°C)]</b>             | 280A  | 350A            | 400A                                | 610A   | 860A            | 1325A            | 1250A                 | 1250A   | 1250A                                    | 1350A                 | 1545A                                  | 1545A                     |
| <b>Reserve Capacity</b>                        | 18 min.   | 24 min.         | 26 min.                             | 48 min.                                      | 78 min.         | 142 min.         | 135 min.              | 135 min.  | 135 min.                                 | 145 min.              | 205 min.                               | 205 min.                  |
| <b>Terminals</b>                               | M6 receptacle<br>(SAE optional) <sup>1</sup>  |                 | M6<br>Nut/Bolt                      | M6 receptacle<br>(SAE optional) <sup>1</sup> |                 |                  | SAE                   | Top SAE<br>and Side 3/8<br>threaded<br>receptacle | 3/8<br>(9.5mm)<br>threaded<br>receptacle | SAE                   | Threaded<br>stud<br>(Left<br>Positive) | SAE<br>(Left<br>Positive) |
| <b>Terminal Torque<br/>in lb. (Nm)</b>         | 50<br>(5.6)   | 50<br>(5.6)     | 40<br>(4.5)                         | 60<br>(6.8)                                  | 60<br>(6.8)     | 60<br>(6.8)      | 60<br>(6.8)           | 60<br>(6.8)                                       | 60<br>(6.8)                              | 60<br>(6.8)           | 150-200<br>(22.6)                      | N/A                       |
| <b>Length, in. (mm)</b>                        | 7.00<br>(177.8)   | 7.27<br>(184.7) | 6.70<br>(170.2)                     | 6.64<br>(168.6)                              | 7.87<br>(199.9) | 13.02<br>(330.7) | 10.85<br>(275.6)      | 10.85<br>(276.0)                                  | 10.85<br>(276.0)                         | 11.83<br>(301.0)      | 13.0<br>(330.2)                        | 13.0<br>(330.2)           |
| <b>Width, in. (mm)<sup>2</sup></b>             | 3.37<br>(85.6)  | 3.11<br>(79.0)  | 3.90<br>(99.1)                      | 7.05<br>(179.0)                              | 6.66<br>(169.1) | 6.62<br>(168.2)  | 6.76<br>(171.7)       | 6.99<br>(177.5)                                   | 6.99<br>(177.5)                          | 7.18<br>(183.0)       | 6.8<br>(172.7)                         | 6.8<br>(172.7)            |
| <b>Height, in. (mm)<sup>3</sup></b>            | 5.17<br>(131.3)   | 7.55<br>(191.8) | 6.95<br>(176.5)                     | 5.83<br>(148.1)                              | 7.60<br>(193.0) | 7.78<br>(197.6)  | 7.9<br>(200.7)        | 7.9<br>(200.7)                                    | 7.28<br>(185.4)                          | 7.43<br>(190.0)       | 9.4<br>(238.3)                         | 9.6<br>(243.6)            |
| <b>Weight, lb. (kg)</b>                        | 12.6<br>(5.7)   | 15.4<br>(7.0)   | 13.2<br>(6.0)                       | 23.8<br>(10.8)                               | 38.2<br>(17.4)  | 60.9<br>(27.6)   | 49.5<br>(22.4)        | 49.5<br>(22.4)                                    | 49.5<br>(22.4)                           | 58.0<br>(26.3)        | 78.0<br>(35.4)                         | 78.0<br>(35.4)            |
| <b>Cycle Life<br/>@ 77°F (25°C)</b>            | 300 at 100% DOD and 14.7V charge for 16 to 24 hours<br>400 at 80% DOD and 14.7V charge for 16 to 24 hours |                 |                                     |  |                 |                  |                       |   |  |                       |  |                           |
| <b>Temperature Range</b>                       | -40°F (-40°C) to<br>176°F (80°C)  |                 | -40°F (-40°C)<br>to<br>113°F (45°C) | -40°F (-40°C) to<br>176°F (80°C)             |                 |                  |                       |   |  |                       |  |                           |
| <b>Resistance at 1 kHz<br/>@ 77°F (25°C)</b>   | 10mOhm  | 7mOhm           | 7mOhm                               | 5mOhm  | 4.5mOhm         | 3.5mOhm          | 2.5mOhm               | 2.5mOhm   | 2.5mOhm                                  | 2.0mOhm               | 2.2mOhm                                | 2.2mOhm                   |
| <b>Short Circuit Cur-<br/>rent<sup>4</sup></b> | 450A  | 630A            | 800A                                | 1100A  | 1500A           | 2400A            | 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 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