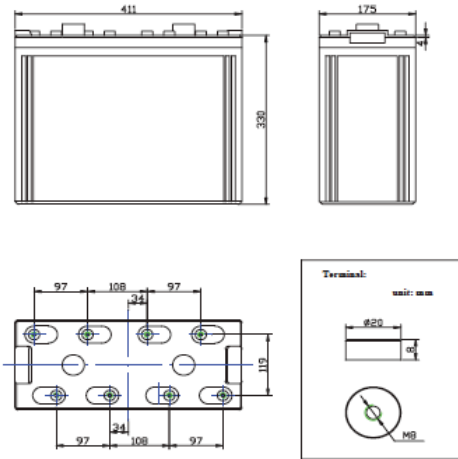


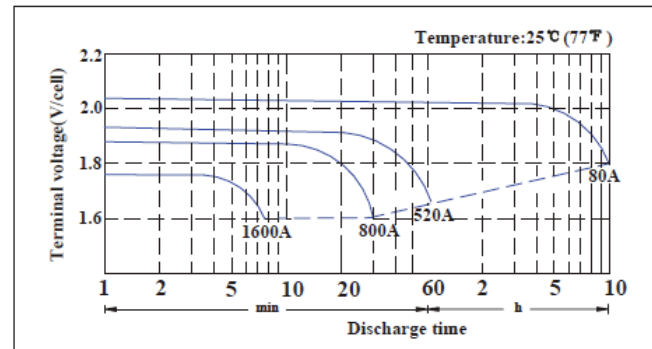
## S2-945AGM



### Specifications

|                               |              |                           |
|-------------------------------|--------------|---------------------------|
| Nominal Voltage               |              | 2V                        |
| Rated Capacity (10 hour rate) |              | 800AH                     |
| Dimension                     | Total Height | 365mm(14.37inches)        |
|                               | Height       | 330mm(12.99inches)        |
|                               | Length       | 411mm(16.18inches)        |
|                               | Width        | 175mm(6.89inches)         |
| Weight                        |              | Approx.54.50kg (119.9Ibs) |

### Discharge characteristics 77°F (25°C)



**Float charge method:** Constant voltage: 2.23V/Cell(25°C)  
Temperature compensation factor: - 3mV/°C/Cell

### Constant power discharge watts per cell @ 77°F(25°C)

| End Point Volt/cell | Operation Time To End Point Voltage |       |       |       |       |       |       |       |       |      |     |     |     |     |     |     |      |
|---------------------|-------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----|-----|-----|-----|-----|-----|------|
|                     | 5min                                | 10min | 15min | 20min | 25min | 30min | 35min | 40min | 45min | 1h   | 2h  | 3h  | 5h  | 8h  | 10h | 12h | 24h  |
| 1.60                | 2935                                | 2390  | 2049  | 1822  | 1606  | 1485  | 1369  | 1277  | 1207  | 1031 | 637 | 464 | 307 | 204 | 166 | 139 | 72.4 |
| 1.63                | 2792                                | 2266  | 1995  | 1748  | 1554  | 1428  | 1340  | 1253  | 1187  | 1005 | 617 | 453 | 305 | 204 | 166 | 139 | 72.4 |
| 1.65                | 2715                                | 2246  | 1949  | 1736  | 1543  | 1416  | 1312  | 1230  | 1170  | 1005 | 616 | 453 | 298 | 204 | 164 | 139 | 72.4 |
| 1.67                | 2622                                | 2208  | 1910  | 1700  | 1525  | 1390  | 1292  | 1216  | 1155  | 1005 | 617 | 453 | 298 | 200 | 163 | 139 | 72.4 |
| 1.70                | 2538                                | 2081  | 1860  | 1645  | 1480  | 1352  | 1271  | 1202  | 1143  | 977  | 600 | 436 | 292 | 199 | 160 | 139 | 72.4 |
| 1.75                | 2341                                | 1989  | 1748  | 1573  | 1429  | 1309  | 1227  | 1175  | 1108  | 949  | 580 | 424 | 284 | 195 | 159 | 139 | 72.4 |
| 1.80                | 2124                                | 1827  | 2460  | 1477  | 1347  | 1263  | 1176  | 1114  | 1072  | 914  | 562 | 420 | 278 | 191 | 157 | 135 | 72.4 |
| 1.85                | 1627                                | 1471  | 1373  | 1266  | 1178  | 1096  | 1039  | 972   | 938   | 823  | 520 | 390 | 258 | 179 | 150 | 129 | 68.6 |
| 1.90                | 1300                                | 1201  | 1130  | 1055  | 991   | 946   | 906   | 866   | 841   | 741  | 479 | 358 | 244 | 167 | 141 | 121 | 64.6 |

### Constant current discharge ratings amperes @ 77°F (25°C)

| End Point Volt/cell | Operation Time To End Point Voltage |       |       |       |       |       |       |       |       |     |     |     |     |      |      |      |      |
|---------------------|-------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-----|-----|-----|-----|------|------|------|------|
|                     | 5min                                | 10min | 15min | 20min | 25min | 30min | 35min | 40min | 45min | 1h  | 2h  | 3h  | 5h  | 8h   | 10h  | 12h  | 24h  |
| 1.60                | 1770                                | 1405  | 1170  | 1024  | 890   | 817   | 750   | 696   | 656   | 553 | 333 | 243 | 160 | 104  | 84   | 70.8 | 36.8 |
| 1.63                | 1659                                | 1348  | 1131  | 966   | 858   | 781   | 735   | 677   | 639   | 542 | 328 | 239 | 157 | 104  | 84   | 70.8 | 36.8 |
| 1.65                | 1598                                | 1295  | 1097  | 960   | 847   | 773   | 713   | 665   | 629   | 534 | 324 | 235 | 154 | 104  | 83.2 | 70.8 | 36.8 |
| 1.67                | 1524                                | 1258  | 1061  | 940   | 837   | 757   | 700   | 656   | 621   | 527 | 318 | 230 | 152 | 102  | 82.4 | 70.8 | 36.8 |
| 1.70                | 1454                                | 1202  | 1029  | 904   | 808   | 733   | 687   | 646   | 614   | 518 | 312 | 224 | 150 | 101  | 81.6 | 70.8 | 36.8 |
| 1.75                | 1323                                | 1101  | 962   | 859   | 773   | 705   | 656   | 626   | 591   | 500 | 302 | 219 | 146 | 100  | 80.8 | 70   | 36.8 |
| 1.80                | 1170                                | 1001  | 882   | 800   | 724   | 679   | 628   | 591   | 568   | 480 | 291 | 216 | 143 | 97.6 | 80   | 68.8 | 36.6 |
| 1.85                | 874                                 | 786   | 730   | 676   | 622   | 575   | 545   | 508   | 488   | 428 | 267 | 200 | 131 | 91.1 | 75.5 | 64.9 | 34.7 |
| 1.90                | 683                                 | 629   | 591   | 548   | 513   | 489   | 468   | 447   | 433   | 381 | 243 | 182 | 123 | 84   | 70.8 | 60.7 | 32.5 |