

UB1240 is a standby using battery with 3-5 years service life under normal float charge at 25°C. Absorbant Glass Mat (AGM) technology for superior performance. Valve regulated, spill proof construction allows safe operation in any position. Approved for transport by air. D.O.T., I.A.T.A., F.A.A. and C.A.B. certified. U.L. recognized under file number MH 20567.

### Specification

|                                                           |                              |           |      |
|-----------------------------------------------------------|------------------------------|-----------|------|
| <b>Nominal Voltage</b>                                    | 12 volts                     |           |      |
| <b>Nominal Capacity</b>                                   | 77° F (25° C)                |           |      |
| 20-hr. (0.20 A)                                           | 4.00 Ah                      |           |      |
| 10-hr. (0.37 A)                                           | 3.72 Ah                      |           |      |
| 5-hr. (0.68 A)                                            | 3.40 Ah                      |           |      |
| 1-hr. (2.40 A)                                            | 2.40 Ah                      |           |      |
| <b>Approximate Weight</b>                                 | 3.09 lbs (1.40 kgs)          |           |      |
| <b>Internal Resistance</b> (approx.)                      | 45mΩ                         |           |      |
| <b>Shelf Life</b> (% of normal capacity at 77° F (25° C)) |                              |           |      |
| 3 Months                                                  | 6 Months                     | 12 Months |      |
| 91%                                                       | 82%                          | 64%       |      |
| <b>Temperature Dependency of Capacity</b>                 | (20 hour rate)               |           |      |
| 104° F                                                    | 77° F                        | 32° F     | 5° F |
| 102%                                                      | 100%                         | 85%       | 65%  |
| <b>AGM Operational Temperature</b>                        |                              |           |      |
| Charge                                                    | 32°F to 104°F (0°C to 40°C)  |           |      |
| Discharge                                                 | 5°F to 113°F (-15°C to 45°C) |           |      |
| <b>AGM Storage Temperature</b>                            | 5°F to 104°F (-15°C to 40°C) |           |      |



### Charge Method (Constant Voltage)

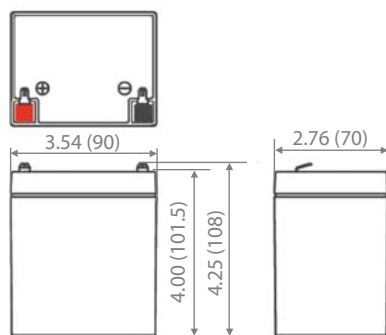
### Cycle Use (Repeating Use)

|                 |                  |
|-----------------|------------------|
| Initial Current | 1.2 A or smaller |
| Control Voltage | 14.6 - 14.8 V    |

### Float Use

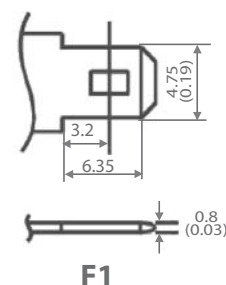
|                 |               |
|-----------------|---------------|
| Control Voltage | 13.6 - 13.8 V |
|-----------------|---------------|

### Physical Dimensions: in (mm)



**L:** 3.54 in (90 mm)  
**W:** 2.76 in (70 mm)  
**H:** 4.00 in (101.5 mm)  
**TH:** 4.25 in (108 mm)  
 Tolerances are +/- 0.04 in. (+/- 1mm) and +/- 0.08 in. (+/- 2mm) for height dimensions. All data subject to change without notice.

### Terminals



### Constant Current Discharge Characteristics Unit: A (25°C, 77°F)

| F.V/Time | 5MIN | 15MIN | 30MIN | 60MIN | 2HR  | 3HR  | 5HR  | 8HR   | 10HR  | 20HR  |
|----------|------|-------|-------|-------|------|------|------|-------|-------|-------|
| 1.60V    | 15.4 | 7.76  | 4.60  | 2.48  | 1.40 | 1.03 | 0.71 | 0.485 | 0.402 | 0.210 |
| 1.67V    | 14.0 | 7.26  | 4.36  | 2.46  | 1.30 | 0.99 | 0.68 | 0.480 | 0.398 | 0.208 |
| 1.70V    | 12.7 | 6.83  | 4.13  | 2.44  | 1.27 | 0.94 | 0.67 | 0.473 | 0.390 | 0.206 |
| 1.75V    | 11.5 | 6.39  | 3.97  | 2.39  | 1.26 | 0.93 | 0.65 | 0.466 | 0.382 | 0.202 |
| 1.80V    | 10.2 | 5.85  | 3.82  | 2.32  | 1.25 | 0.92 | 0.63 | 0.458 | 0.372 | 0.200 |

### Constant Power Discharge Characteristics Unit: W (25 C, 77 F)

| F.V/Time | 5MIN  | 15MIN | 30MIN | 60MIN | 2HR   | 3HR   | 5HR  | 8HR   | 10HR  | 20HR  |
|----------|-------|-------|-------|-------|-------|-------|------|-------|-------|-------|
| 1.60V    | 153.6 | 84.60 | 50.34 | 28.32 | 16.52 | 11.24 | 7.64 | 5.582 | 4.249 | 2.236 |
| 1.67V    | 142.8 | 77.40 | 48.00 | 28.20 | 16.02 | 11.18 | 7.62 | 5.534 | 4.249 | 2.236 |
| 1.70V    | 131.4 | 73.20 | 45.90 | 27.78 | 15.80 | 11.10 | 7.59 | 5.462 | 4.240 | 2.231 |
| 1.75V    | 122.4 | 69.60 | 44.34 | 27.00 | 15.44 | 11.00 | 7.55 | 5.490 | 4.218 | 2.220 |
| 1.80V    | 111.0 | 64.80 | 43.02 | 25.92 | 14.50 | 10.78 | 7.44 | 5.312 | 4.154 | 2.176 |