

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.

Maintenance-Free

## Specification

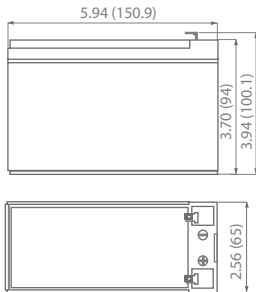
|   |                                   |             |              |
|---|-----------------------------------|-------------|--------------|
| <b>Nominal Voltage</b>                                    | 12 volts                          |             |              |
| <b>Nominal Capacity</b>                                   | 77° F (25° C)                     |             |              |
| 20-hr. (0.35A)  | 7.00 Ah                           |             |              |
| 10-hr. (0.65A)  | 6.51 Ah                           |             |              |
| 5-hr. (1.19)  | 5.95 Ah                           |             |              |
| 1-hr. (4.20A)   | 4.20 Ah                           |             |              |
| <b>Approximate Weight</b>                                 | 4.3 lbs (1.95 kgs)                |             |              |
| <b>Internal Resistance (approx.)</b>                      | 25 mΩ                             |             |              |
| <b>Shelf Life (% of normal capacity at 68° F (20° C))</b> |                                   |             |              |
| 3 Months  | 6 Months                          | 12 Months   |              |
| 91%   | 83%                               | 64%         |              |
| <b>Temperature Dependency of Capacity (20 hour rate)</b>  |                                   |             |              |
| 104° F (40°C)   | 77° F (25°C)                      | 32° F (0°C) | 5° F (-15°C) |
| 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)      |             |              |
| <b>Characteristics</b>                                    | FR=Flame Retardant, ABS, UL 94V-0 |             |              |



Due to continuous improvements to our products, product may vary slightly from depiction.

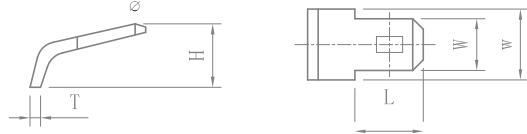
|   |                  |  |
|---|------------------|--|
| <b>Charge Method (Constant Voltage)</b> |                  |  |
| <b>Cycle Use (Repeating Use)</b>        |                  |  |
| Initial Current                         | 2.1 A or smaller |  |
| Control Voltage                         | 14.6 - 14.8 V    |  |
| <b>Float Use</b>                        |                  |  |
| Control Voltage                         | 13.6 - 13.8 V    |  |

## Physical Dimensions: in (mm)



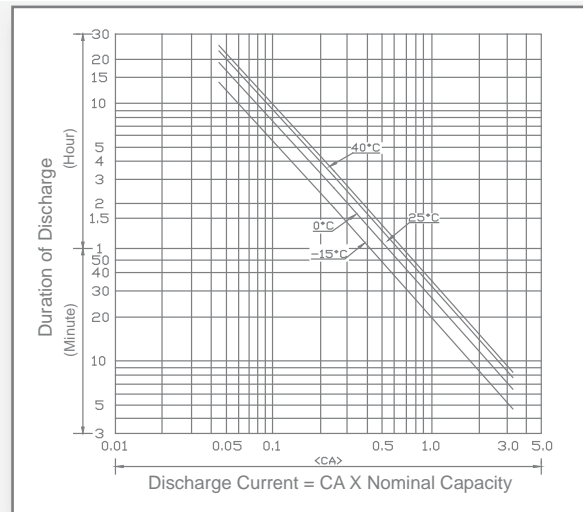
**L:** 5.94in (150.9 mm)  
**W:** 2.56in (65 mm)  
**H:** 3.70in (94 mm)  
**TH:** 3.94in (100.1 mm)  
 Tolerances are +/- 0.04 in. (+/- 1mm) and +/- 0.08 in. (+/- 2mm) for height dimensions. All data subject to change without notice.

## Terminals

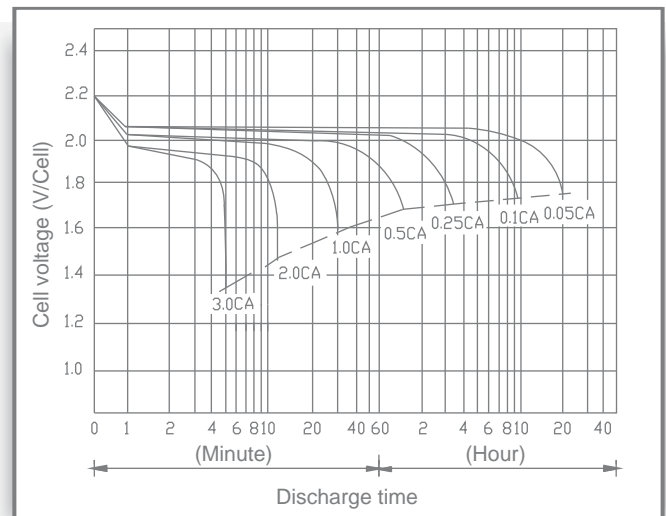


| Dimension Type | L    | W    | w    | H    | T    |
|----------------|------|------|------|------|------|
| F2             | 7.80 | 6.35 | 7.80 | 6.00 | 0.80 |

## Discharge Time vs. Discharge Current



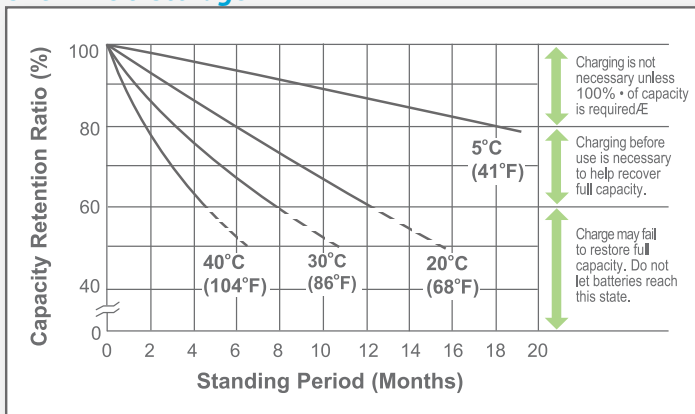
## Discharge Characteristics



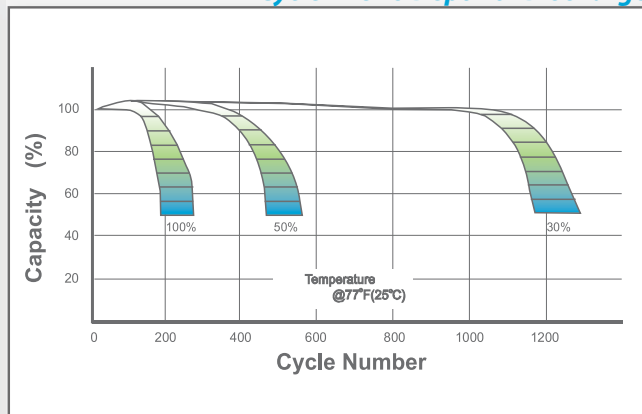
# UB1270FR

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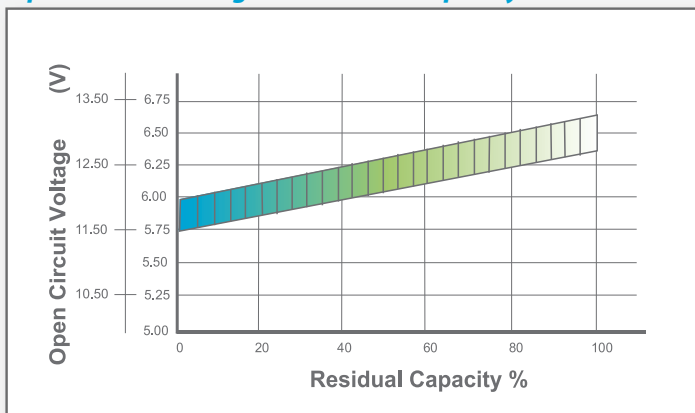
## Shelf Life & Storage



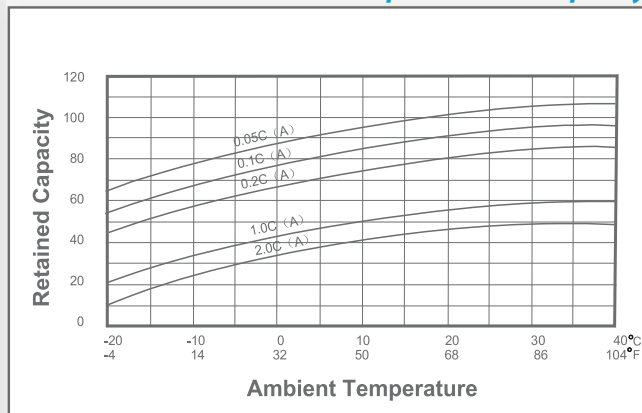
## Cycle Life vs Depth of Discharge



## Open Circuit Voltage vs Residual Capacity



## Effect of Temperature on Capacity



## Charge Current & Final Discharge Voltage

| Application | Charge Voltage(V/Cell) |           |                 | Max.Charge Current | Final Discharge Voltage V/Cell | 1.75     | 1.70          | 1.60          | 1.30     |
|-------------|------------------------|-----------|-----------------|--------------------|--------------------------------|----------|---------------|---------------|----------|
|             | Temperature            | Set Point | Allowable Range |                    |                                |          |               |               |          |
| Cycle Use   | 25°C(77°F)             | 2.45      | 2.43-2.47       | 0.30C              | Discharge Current(A)           | 0.2C>(A) | 0.2C<(A)<0.5C | 0.5C<(A)<1.0C | (A)>1.0C |
| Standby     | 25°C(77°F)             | 2.28      | 2.27-2.30       |                    |                                |          |               |               |          |



Let UPG Power Your Life.