

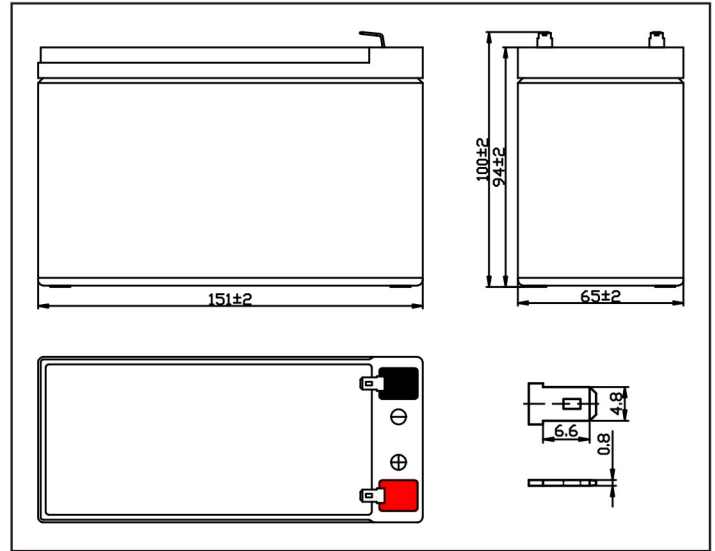


**MODEL: EG9-12**



**Plane Chart:**

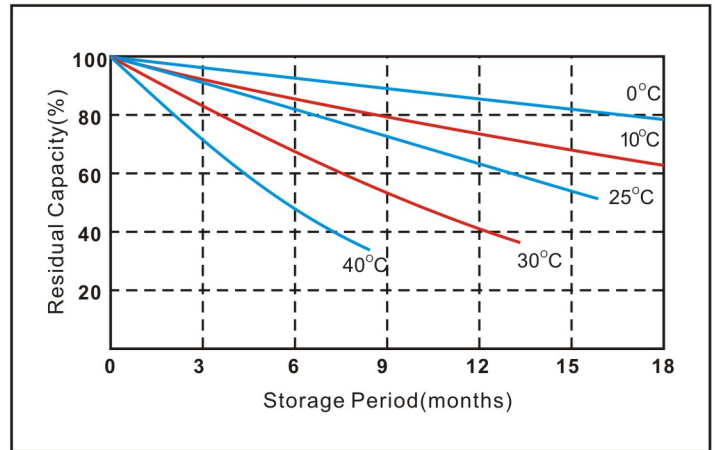
Unit:(mm) Terminal type:(F1)



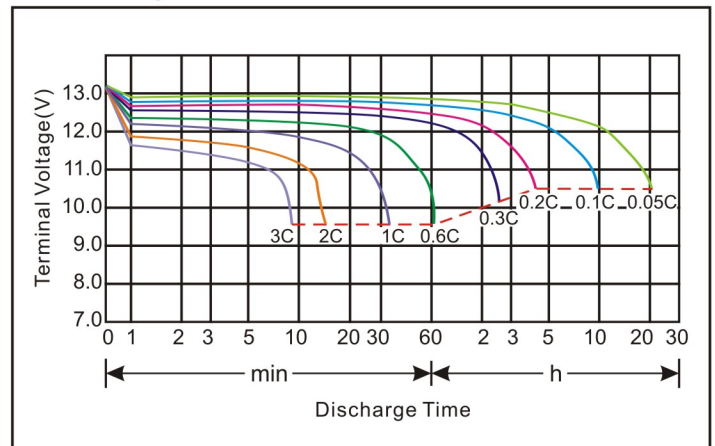
**Parameter Chart:**

| Volts                            |                                    | 12V   |  |
|----------------------------------|------------------------------------|---|--|
| Capacity(25°C)                   | 20 hours rate (0.45A)              | 9Ah   |  |
| Discharge Current Testing (25°C) | 20 I <sub>20</sub> rate (9A,27min) | 35min   |  |
|                                  | 60 I <sub>20</sub> rate (27A,7min) | 8min  |  |
| Internal Resistance              | Full Charged Battery 25°C          | 18mΩ  |  |
| Design Life(25°C)                | 6 years                            |   |  |
| Capacity Affected By Temperature | 40°C                               | 104%  |  |
|                                  | 25°C                               | 100%  |  |
|                                  | 0°C                                | 83%   |  |
|                                  | -15°C                              | 65%   |  |
| Residual Capacity (25°C)         | Capacity After 3 Months Storage    | 91%   |  |
|                                  | Capacity After 6 Months Storage    | 82%   |  |
|                                  | Capacity After 12 Months Storage   | 65%   |  |
| Charge (Constant Voltage)        | Cycle (25°C)                       | Initial Charging Current Less Than 2.7A<br>Voltage 14.5~14.9V |  |
|                                  | Float (25°C)                       | Charge Voltage 13.6~13.8V                                     |  |
| Weight (Approx)                  |                                    | 2.40Kg  |  |

**Residual Capacity**



**Discharge Current 25°C**

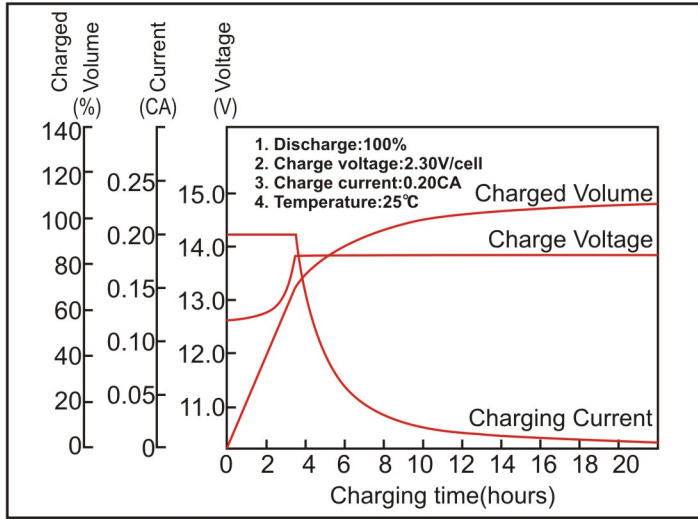


★The above are average and data obtained from the first 3 charge/discharge cycles. These are not minimum values.

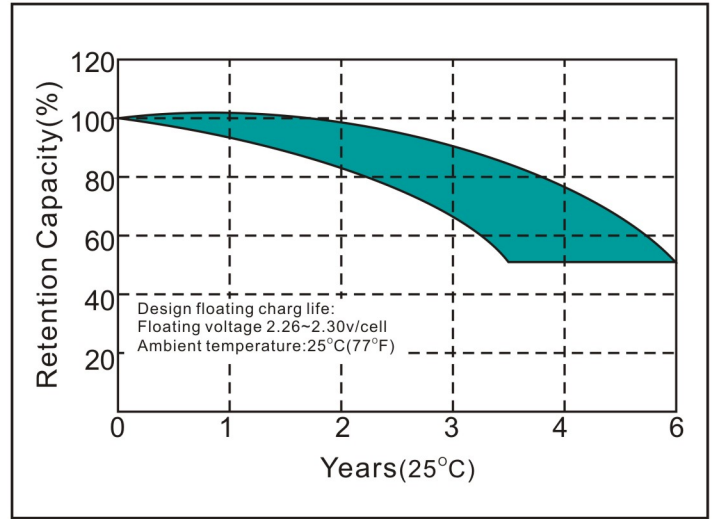


**MODEL: EG9-12**

**Constant voltage charging characteristics**



**Float Life**



**Constant Current Discharge Characteristics (A, 25°C)**

| F.V/Time | 5min  | 10min | 15min | 30min | 60min | 2h   | 3h   | 5h   | 8h   | 10h  | 20h  |
|----------|-------|-------|-------|-------|-------|------|------|------|------|------|------|
| 9.60V    | 39.08 | 25.75 | 19.04 | 10.62 | 5.81  | 3.21 | 2.18 | 1.51 | 1.00 | 0.81 | 0.45 |
| 10.2V    | 37.17 | 24.25 | 18.14 | 10.22 | 5.58  | 3.16 | 2.15 | 1.49 | 0.99 | 0.81 | 0.44 |
| 10.5V    | 36.17 | 23.85 | 17.84 | 9.92  | 5.47  | 3.13 | 2.13 | 1.48 | 0.98 | 0.80 | 0.43 |
| 10.8V    | 34.84 | 23.05 | 17.33 | 9.72  | 5.30  | 3.10 | 2.11 | 1.46 | 0.98 | 0.80 | 0.43 |

**Constant Current Discharge Characteristics (Watt, 25°C)**

| F.V/Time | 5min   | 10min  | 15min  | 30min  | 60min | 2h    | 3h    | 5h    | 8h    | 10h  | 20h  |
|----------|--------|--------|--------|--------|-------|-------|-------|-------|-------|------|------|
| 9.60V    | 435.87 | 290.58 | 217.43 | 121.24 | 67.33 | 37.47 | 25.95 | 18.04 | 12.12 | 9.77 | 5.45 |
| 10.2V    | 414.83 | 273.55 | 206.41 | 117.32 | 64.63 | 36.97 | 25.55 | 17.84 | 11.92 | 9.74 | 5.43 |
| 10.5V    | 402.80 | 268.54 | 203.41 | 113.23 | 63.33 | 36.57 | 25.35 | 17.64 | 11.72 | 9.67 | 5.41 |
| 10.8V    | 388.78 | 259.52 | 197.39 | 111.22 | 61.42 | 36.17 | 25.15 | 17.43 | 11.62 | 9.62 | 5.39 |

**Capacity Factors With Different Temperature**

| Battery Type |     | -20°C | -10°C | 0°C | 5°C | 10°C | 20°C | 25°C | 30°C | 40°C | 45°C |
|--------------|-----|-------|-------|-----|-----|------|------|------|------|------|------|
| Battery      | 12V | 50%   | 70%   | 83% | 85% | 90%  | 98%  | 100% | 102% | 104% | 105% |

★The above are average and data obtained from the first 3 charge/discharge cycles. These are not minimum values.