

► **12V7Ah**

CB series uses valve control sealed oxygen composite technology, special corrosion resistant alloy, high strength AGM separator, high purity material to make the battery self-discharge is small, long service life.



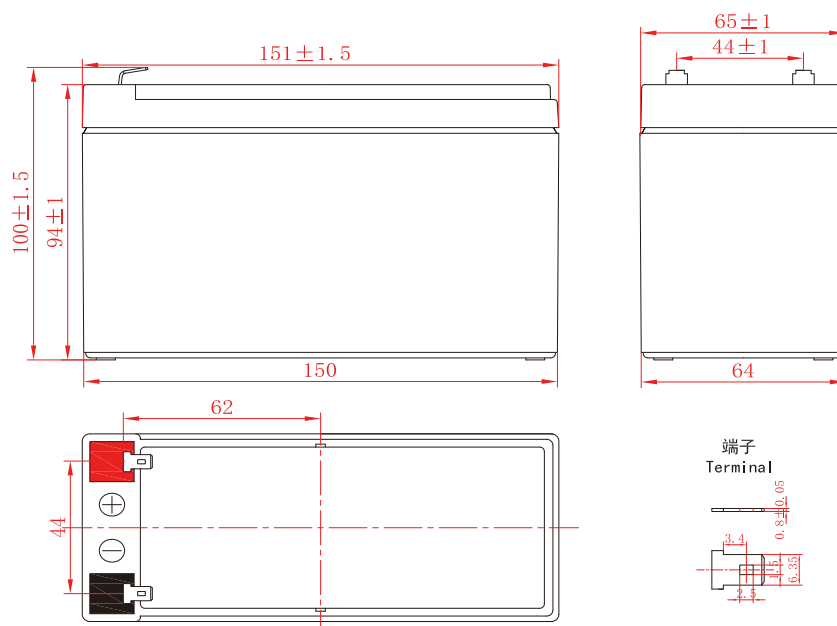
|                                      |                                                                                                        |
|--------------------------------------|--------------------------------------------------------------------------------------------------------|
| 额定电压 Rated Voltage                   | 12                                                                                                     |
| 额定容量Nominal Capacity(C20@1.75V@25°C) | 7.0Ah                                                                                                  |
| 重量Approx Weight                      | 2.20kg ±3%                                                                                             |
| 最大放电电流Max. Discharge Current         | 105A(5S)                                                                                               |
| 内阻Internal Resistance(25°C)          | 26.0mΩ                                                                                                 |
| 工作温度范围Operating Temp. Range          | 放电Discharge:-15°C~50°C(5°F~122°F)<br>充电Charge:-15°C~40°C(5°F~104°F)<br>储存Storage:-15°C~40°C(5°F~104°F) |
| 推荐工作温度Nominal Operating Temp. Range  | 25°C±3°C(77°F±5°F)                                                                                     |
| 最大充电电流Max.Charging Current(25°C)     | 2.1A                                                                                                   |
| 浮充电压Float voltage                    | 13.5~13.8V@25°C(77°F)                                                                                  |
| 均充电压Equalizing voltage               | 14.4~15.0V@25°C(77°F)                                                                                  |
| 端子Terminal                           | T2                                                                                                     |
| 外壳材质Container Material               | ABS(UL 94-V0)(UL 94-HB)                                                                                |



IT1548HL06061801



|               |         |        |                   |                |
|---------------|---------|--------|-------------------|----------------|
| 尺寸Dimension : | 长Length | 宽Width | 高Container Height | 总高Total Height |
| 单位unit: mm    | 151±1.5 | 65±1   | 94±1              | 100±1.5        |



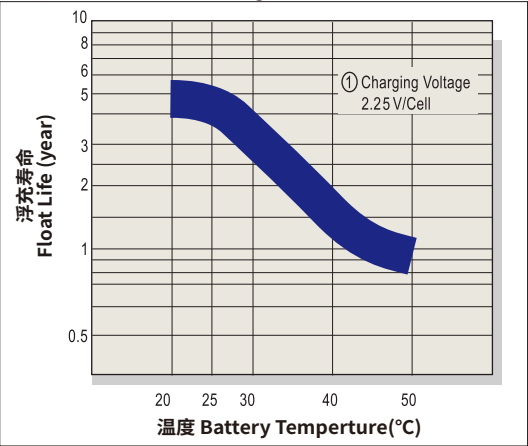
### 恒流放电表(A) 25°C Constant Current Discharge

| FV/Time | 5min | 15min | 30min | 1h   | 3h   | 5h   | 10h   | 20h   |
|---------|------|-------|-------|------|------|------|-------|-------|
| 1.60V   | 23.0 | 12.9  | 7.44  | 4.28 | 1.77 | 1.22 | 0.667 | 0.358 |
| 1.67V   | 22.6 | 12.7  | 7.38  | 4.15 | 1.76 | 1.28 | 0.664 | 0.355 |
| 1.70V   | 21.9 | 12.3  | 7.28  | 4.10 | 1.74 | 1.26 | 0.661 | 0.353 |
| 1.75V   | 20.8 | 11.7  | 7.12  | 4.02 | 1.73 | 1.23 | 0.654 | 0.350 |
| 1.80V   | 18.6 | 10.9  | 6.83  | 3.92 | 1.67 | 1.18 | 0.635 | 0.342 |
| 1.85V   | 14.5 | 9.15  | 6.33  | 3.79 | 1.55 | 1.14 | 0.603 | 0.330 |

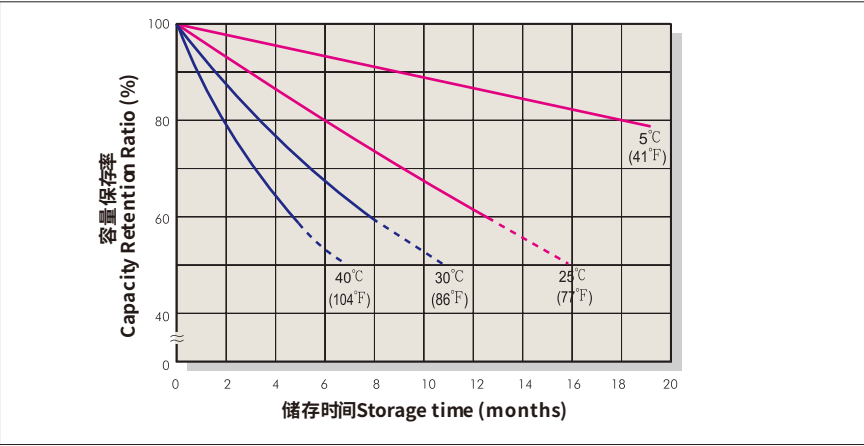
## 恒功率放电表(W/cell) 25°C Constant Power Discharge

| FV/Time | 5min | 15min | 30min | 1h   | 3h   | 5h   | 10h  | 20h   |
|---------|------|-------|-------|------|------|------|------|-------|
| 1.60V   | 48.1 | 30.7  | 17.7  | 9.65 | 4.31 | 2.87 | 1.62 | 0.876 |
| 1.67V   | 45.9 | 29.1  | 17.6  | 9.55 | 4.29 | 2.86 | 1.61 | 0.872 |
| 1.70V   | 42.8 | 27.1  | 17.4  | 9.44 | 4.25 | 2.83 | 1.61 | 0.867 |
| 1.75V   | 38.7 | 24.9  | 17.1  | 9.27 | 4.20 | 2.78 | 1.58 | 0.858 |
| 1.80V   | 33.2 | 21.9  | 16.4  | 8.97 | 4.07 | 2.69 | 1.54 | 0.840 |
| 1.85V   | 25.8 | 18.5  | 15.2  | 8.36 | 3.80 | 2.54 | 1.48 | 0.811 |

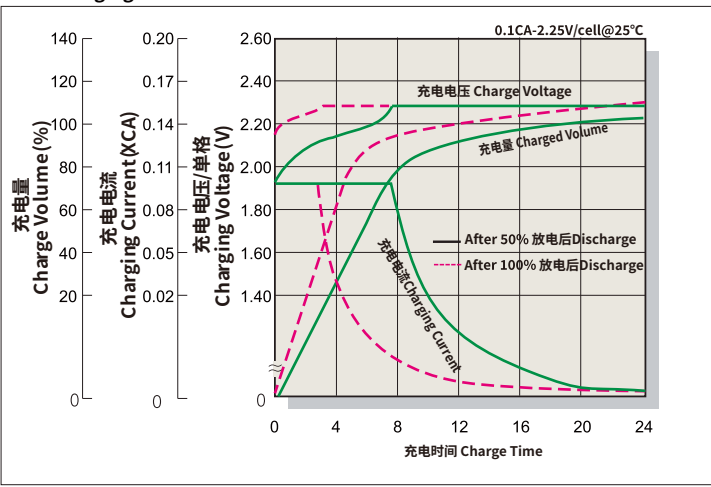
温度对浮充寿命的影响  
Temperature Effects on Long Term Float Life



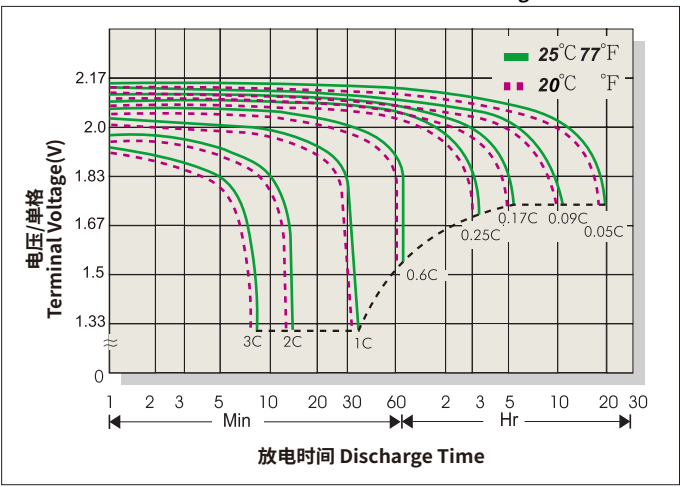
温度对容量的影响  
The effect of temperature on capacity



浮充特性曲线  
Float Charging Characteristics



放电特性曲线  
Discharge Characteristics



温度对容量的影响  
The effect of temperature on capacity(20HR)

| 温度Temperature | 容量Capacity(20HR) |
|---------------|------------------|
| 40°C          | 102%             |
| 25°C          | 100%             |
| 0°C           | 85%              |
| -15°C         | 65%              |

自放电特性  
Self-discharge characteristics

| 存放时间Storage time | 剩余容量The remaining capacity |
|------------------|----------------------------|
| 3月months         | 91%                        |
| 6月months         | 82%                        |
| 12月months        | 64%                        |

应用 Applications

- 通讯 Telecommunications
- UPS、数据机房 UPS、Data Rooms
- 紧急照明、安防 Emergency Lighting、Security
- 储能、电力 Energy Storage、Electric Systems
- 新能源系统 New Energy Systems