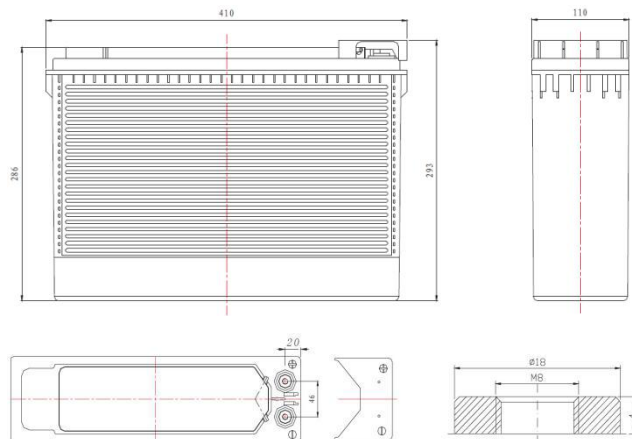


产品特点 Product features

前置端子阀控式胶体蓄电池

Front terminal valve-regulated colloid battery

| | | |
|---|--|--|
| 额定电压 Normal voltage | | 12V |
| 额定容量度 Normal capacity (10 hr) | | 100Ah |
| 容量 Capacity 25°C(77° F) | 10hr (10A) | ≥100Ah |
| | 3hr (25A) | ≥75Ah |
| | 1hr (55A) | ≥55Ah |
| 内阻 Inner resistance | Full charge 25°C(77°F) | ≤8mΩ (因装配不同有变化, 内阻值仅供参考) |
| 循环使用寿命 Cycling Service life | (YD/T 2343-2011) deep discharge | ≥800 cycles |
| 浮充使用寿命 Floating charge life | 25°C(77°F)Voltage of Floating charge: 13.8V | ≥10 years |
| 温度的影响 Temperature works on capacity (10 hr) | 40°C (104°F) | ≥105% |
| | 25°C (77°F) | ≥100% |
| | 0°C (32°F) | ≥85% |
| | -15°C (5°F) | ≥70% |
| 荷电保持 Self-discharge 25°C(77° F) | Residual Capacitance (90 days) | ≥80% |
| 气体析出量 Amount of gas evolution 25°C(77°F) 大电流耐受能力 maximum discharge current 25°C(77°F) | testing standard YD/T 2343-2011 U _{fl0} | ≤0.04ml/(Ah · h) |
| | 放电时间 discharge time 3min | ≥300A |
| 充电方法 Charge method 25°C(77° F) | 循环使用 Cycling | 初始电流≤25A,恒压 14.4-15.0V Beginning current ≤25A, Isobarically 14.4-15.0V |
| | 浮充使用 Floating charge | 恒压 13.5-13.8V Isobarically 13.5-13.8V |



包装尺寸 Package dimension

| | | |
|-----------------------------------|-----------|----------------------------|
| 电池尺寸 dimension (L*W*H*TH) | mm ± 1 | 394*109*286*286 |
| | inch | 16. 14*4. 33*11. 25*11. 53 |
| 外包装尺寸 Box dimension (L*W*H) | mm | 420*120*326 |
| | inch | 16. 53*4. 72*12. 83 |
| 每箱电池数 PCS/Carton | 1 | |
| 单个净重 Net weight | 30kg ± 5% | |

材料 Product material

| | | | | |
|-----------------|----------------------|----------------------|----------------------------|--------------|
| 成份 Component | 正极板 Anode plate | 负极板 Cathode plate | 外壳 crust | 阀门 valve |
| 材料 Material | 铅化合物 Lead dioxide | 铅 lead | ABS | 橡胶 rubber |
| 成份 Component | 端子 terminal | 隔板 separator | 电解液 electrolyte | --- |
| 材料 Material | 铜合金 Cu-alloy | 玻璃纤维 AGM | 胶体-硫酸 Gel-sulfuric acid | --- |

以上各项参数仅供参考, 如有更改不另行通知。

恒流放电特性 Constant Current Discharge Characteristics : A(25°C)

| 电压/时间 | 15min | 30min | 1HR | 2HR | 3HR | 4HR | 5HR | 8HR | 10HR | 20HR |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| 9.60V | 172.4 | 100.5 | 62.42 | 38.54 | 26.19 | 21.12 | 17.53 | 11.55 | 10.72 | 5.67 |
| 10.0V | 168.9 | 99.2 | 62.59 | 37.76 | 25.70 | 20.82 | 17.37 | 11.50 | 10.61 | 5.57 |
| 10.2V | 165.3 | 97.7 | 61.00 | 37.36 | 25.48 | 20.61 | 17.26 | 11.40 | 10.51 | 5.46 |
| 10.5V | 157.4 | 95.0 | 60.25 | 36.87 | 25.25 | 20.30 | 17.12 | 11.29 | 10.40 | 5.36 |
| 10.8V | 145.1 | 91.8 | 59.42 | 36.57 | 24.95 | 19.61 | 17.03 | 11.25 | 10.31 | 5.30 |
| 11.1V | 130.2 | 88.3 | 58.01 | 35.10 | 24.47 | 19.33 | 16.91 | 11.16 | 10.19 | 5.09 |

恒功率放电特性 Constant Power Discharge Characteristics : W(25°C)

| 电压/时间 | 15min | 30min | 1HR | 2HR | 3HR | 4HR | 5HR | 8HR | 10HR | 20HR |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 9.60V | 1873 | 1150 | 753.3 | 451.6 | 308.3 | 252.8 | 210.0 | 138.3 | 126.0 | 67.02 |
| 10.0V | 1847 | 1138 | 716.7 | 446.1 | 303.7 | 249.2 | 208.1 | 137.7 | 125.0 | 65.86 |
| 10.2V | 1826 | 1128 | 712.5 | 442.9 | 302.4 | 246.9 | 206.9 | 136.7 | 123.9 | 64.64 |
| 10.5V | 1744 | 1105 | 707.9 | 437.3 | 299.9 | 243.5 | 205.2 | 135.5 | 122.7 | 63.42 |
| 10.8V | 1627 | 1079 | 698.8 | 434.1 | 296.6 | 235.3 | 204.3 | 134.9 | 121.5 | 62.81 |
| 11.1V | 1482 | 1049 | 688.4 | 417.8 | 291.6 | 231.9 | 203.5 | 134.0 | 120.2 | 60.56 |

图-1 浮充使用充电特性曲线

Charging Characteristics

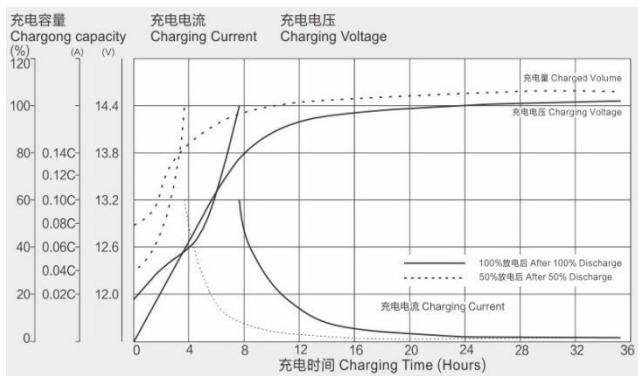


图-3 温度寿命特性

Temperature Life characteristic

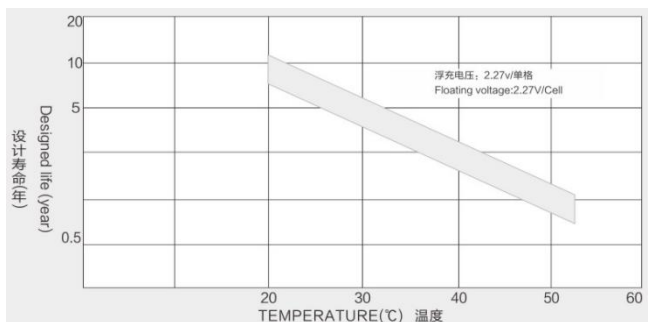


图-5 放电深度对循环使用寿命的影响

Depth of discharge effects

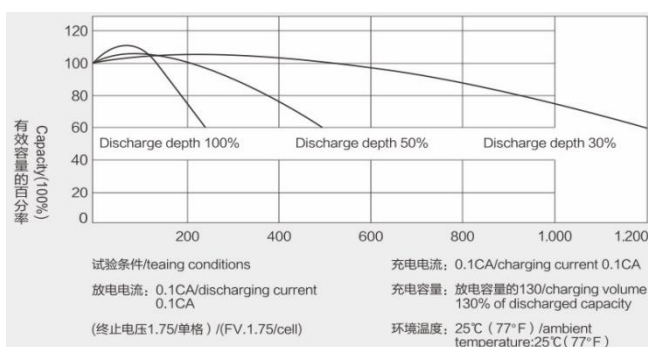


图-2 放电特性曲线

Discharge characteristic curves

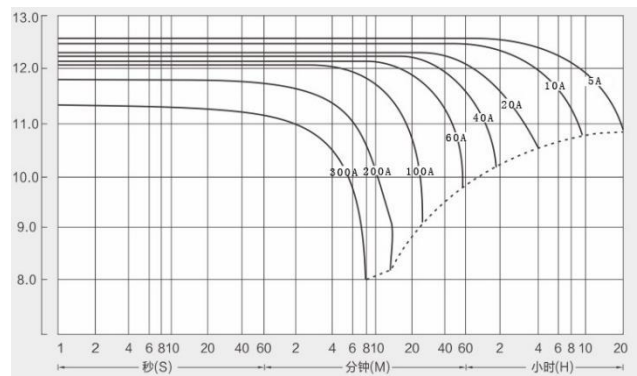


图-4 自放电特性及补充方法

Self discharge characteristic and supplementary method

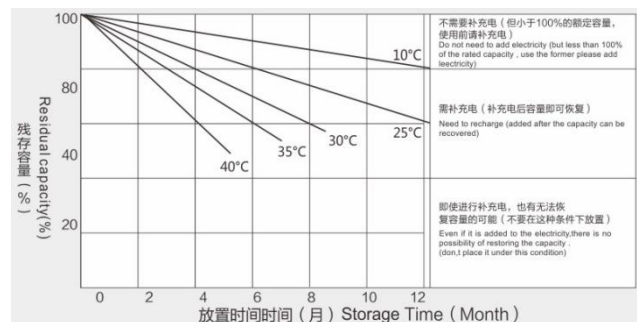


图-6 循环寿命

Cycle life

