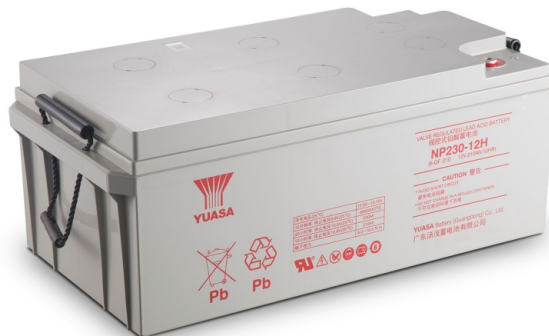
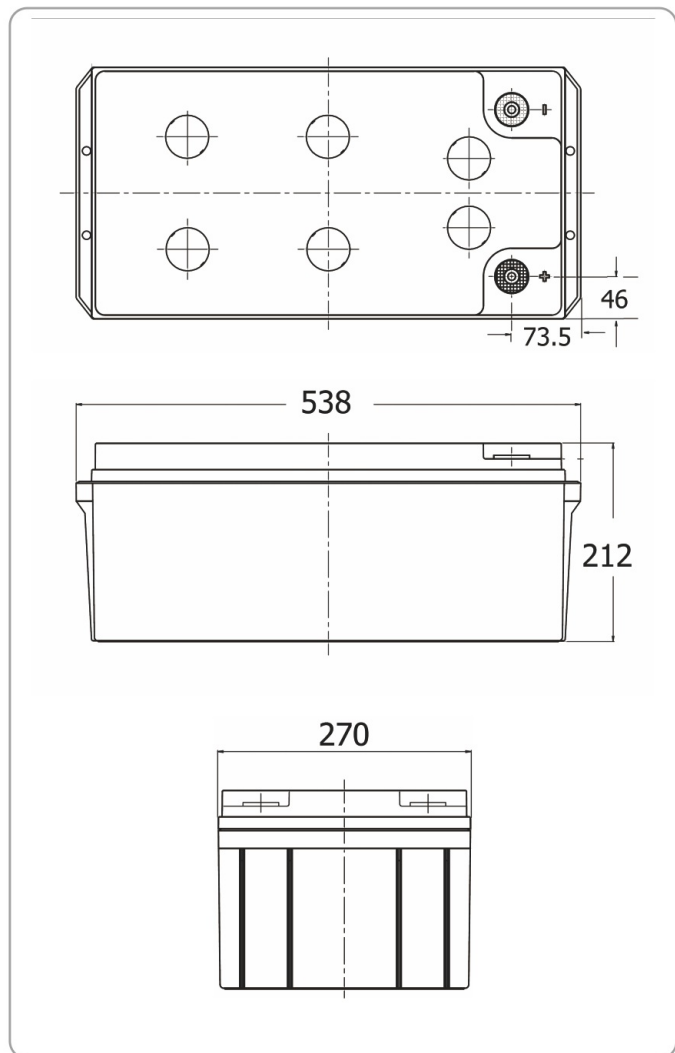


## 产品特点 Product Features

- 电池内部无游离酸，气体复合效率高，使用安全性高。
- 特殊板栅合金，合适的电解液比重，充分保证寿命。
- 极板采用双面涂膏技术，确保电池性能一致优越。
- 特别设计的高功率型电池（适合IDC机房等大电流放电场合）。
- 前置端子设计（方便安装、维护，节约安装空间）。
- No free acid inside battery, high efficient gas recombination, high operation safety.
- Special alloy of grid, adequate specific gravity of electrolyte secures the battery life.
- Two-sided plating technology, more advantage battery function.
- Special designed high power battery (applicable for high discharge current sites such as IDC room).
- Front top terminal (easy to install, maintain and save space).



## 外形尺寸 Dimension (mm)

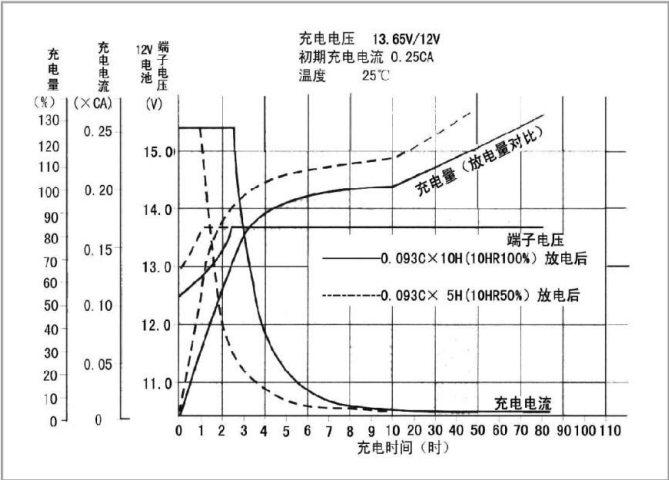


## 电池特征 Battery Characteristics

|                                                                                                                      |              |                           |
|----------------------------------------------------------------------------------------------------------------------|--------------|---------------------------|
| 标称电压 (V) Nominal Voltage                                                                                             |              | 12                        |
| 容量 Capacity (25°C)                                                                                                   | 20小时率        | 230Ah                     |
|                                                                                                                      | 10小时率        | 210Ah                     |
|                                                                                                                      | 5小时率         | 179Ah                     |
|                                                                                                                      | 1小时率         | 116Ah                     |
| 近似外形尺寸 Approd.Dimension                                                                                              | 长 L (mm)     | 538                       |
|                                                                                                                      | 宽 W (mm)     | 270                       |
|                                                                                                                      | 高 H (mm)     | 212                       |
|                                                                                                                      | 总高 OH (mm)   | 212                       |
| 不同环境温度下的放置期限 Storage period at various temperature                                                                   | 25°C以下       | 6个月                       |
|                                                                                                                      | 30°C以下       | 4个月                       |
|                                                                                                                      | 35°C以下       | 3个月                       |
|                                                                                                                      | 40°C以下       | 2个月                       |
| 运行温度 Operating Temp Range                                                                                            | 放电 Discharge | -15°C ~ 50°C              |
|                                                                                                                      | ※充电 Charge   | -15°C ~ 45°C              |
|                                                                                                                      | 存储 Storage   | -15°C ~ 50°C              |
| 推荐温度 Nominal OperatingTemp Range                                                                                     |              | 25°C                      |
| ※当温度偏离25°C时,要用温度补偿后的电压充电<br>If the temperature variesy from 25°C, Charge with voltage after temperature compensation |              |                           |
| 重量 Weight                                                                                                            |              | 约69.5kg                   |
| 端子 Terminal                                                                                                          |              | 铜芯(M8)                    |
| 池壳材料 Container material                                                                                              |              | ABS<br>阻燃等级:UL 94-HB/V-0  |
| 内阻 (完全充电) IR, fully charged (25°C)                                                                                   |              | 约 2.0 mΩ                  |
| 浮充使用期充电方法 Charging method for floating use (25°C)                                                                    |              | 定电压13.65V<br>限流21 ~ 52.5A |
| 设计浮充寿命 Designed floating life                                                                                        |              | 6年(25°C)                  |

电池限流恒压充电特性

Charge Characteristics Constant Voltage with Current Limit



放电电流和终止电压的关系

Relationship of Discharge Current to Final Discharge Voltage

| 放电电流<br>Discharge current | 放电允许最低终止电压<br>Lowest Discharge Final Voltage Allowed |
|---------------------------|------------------------------------------------------|
| 0.2CA未滿                   | 1.75V/单格                                             |
| 0.2CA以上 0.5CA未滿           | 1.70V/单格                                             |
| 0.5CA以上 1.0CA未滿           | 1.55V/单格                                             |
| 1.0CA以上                   | 1.30V/单格                                             |

定功率放电表 Constant Wattage Discharge Characteristics (25°C 瓦特/单格watts/Cell)

| 终止电压  | 5 min | 10 min | 15 min | 20 min | 25 min | 30 min | 40 min | 45 min | 1h    | 1.5h  | 2h    | 3h    | 4h   | 5h   | 8h   | 10h  |
|-------|-------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|------|------|------|------|
| 1.65V | 1170  | 971    | 795    | 650    | 565    | 490    | 386    | 328    | 286.0 | 217.3 | 172.2 | 123.5 | 97.2 | 75.5 | 50.9 | 40.9 |
| 1.67V | 1170  | 951    | 779    | 637    | 560    | 487    | 385    | 327    | 283.0 | 216.3 | 171.6 | 123.2 | 96.7 | 75.5 | 50.7 | 40.8 |
| 1.70V | 1155  | 920    | 758    | 632    | 555    | 485    | 382    | 326    | 280.0 | 213.3 | 171.0 | 123.0 | 96.0 | 75.3 | 50.6 | 40.7 |
| 1.75V | 1054  | 872    | 725    | 610    | 530    | 470    | 375    | 320    | 274.0 | 210.4 | 167.9 | 122.5 | 95.8 | 74.7 | 49.4 | 40.1 |
| 1.80V | 970   | 820    | 691    | 569    | 502    | 453    | 357    | 308    | 267.0 | 207.5 | 165.0 | 121.7 | 94.0 | 73.4 | 49.2 | 39.6 |

充电注意 Charging Recommendations

当温度偏离25°C时，请按每变化1°C，浮充使用按-3mV/单格进行修正，均充按-4mV/单格进行修正。  
If the operating temperature varies significantly from the center value (25°C), temperature compensation for the charging voltage is recommended. The recommendation is -3mV/°C/cell for float use, and -4mV/°C/cell for cyclic use.



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认证标识 Approval indication



ISO 9001  
Quality Management Systems  
CERTIFIED



ISO 14001  
Environmental Management  
CERTIFIED



ISO 45001  
Occupational Health And Safety Management  
CERTIFIED



FM 45770 EMS 99952 OHS 750241