

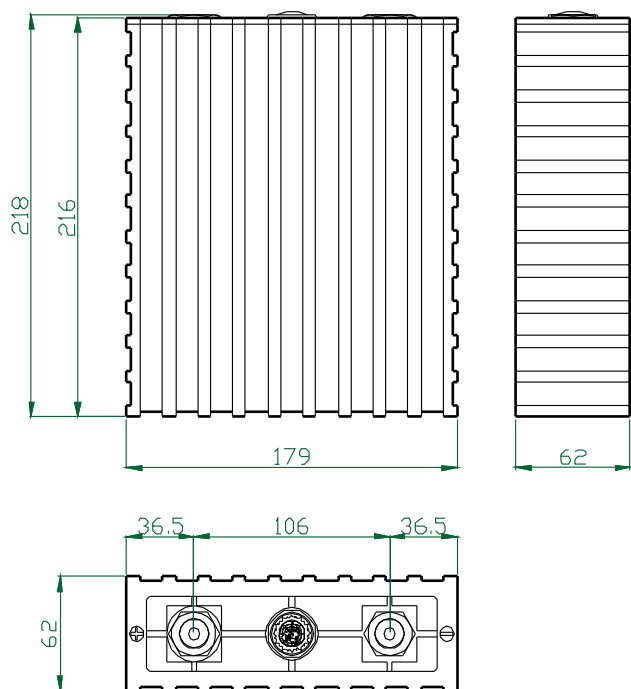
## 雷天温斯顿储能类“水性锂钪动力电池”性能说明

THUNDER SKY WINSTON ENERGY STORAGE TYPE "WATER-BASED LITHIUM YTTRIUM POWER BATTERY" PERFORMANCE SPECIFICATION

### 单体电池尺寸 DIMENSIONS



型号(MODEL): TSWB-LYP100AHA-B



### 技术参数 SPECIFICATIONS

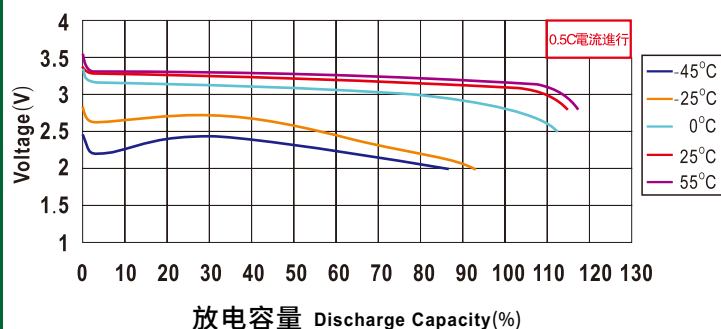
| 型号 (MODEL)                                   | TSWB-LYP100AHA-B               |                                               |
|----------------------------------------------|--------------------------------|-----------------------------------------------|
| 标称容量<br>Nominal Capacity                     | 100AH                          |                                               |
| 规格<br>Specification                          | 长 L                            | 179mm                                         |
|                                              | 宽 W                            | 62mm                                          |
|                                              | 高 H                            | 218mm                                         |
| 工作电压<br>Operation Voltage                    | 充电<br>Charge                   | 3.8(V)                                        |
|                                              | 放电<br>Discharge                | 2.8(V)                                        |
| 内阻<br>Internal Resistance                    | $\leq 0.45(\text{m}\Omega)$    |                                               |
| 最大放电电流<br>Max Discharge Current              | 恒电流<br>Constant Current        | $\leq 3\text{CA}$                             |
|                                              | 脉冲试<br>Impulse Current         | $\leq 10\text{CA}$                            |
| 标准充放电电流<br>Standard Charge/Discharge Current | 50A(0.5CA)                     |                                               |
| 循环寿命<br>Cycle Life                           | (80%DOD)                       | $\geq 5000\text{Times}$                       |
|                                              | (70%DOD)                       | $\geq 7000\text{Times}$                       |
| 壳体耐温性<br>Temperature Durability Of Case      | $\leq 200^{\circ}\text{C}$     |                                               |
| 适应环境<br>Operating Temperature                | 充电<br>Charge                   | $-45^{\circ}\text{C} \sim 85^{\circ}\text{C}$ |
|                                              | 放电<br>Discharge                |                                               |
|                                              | 存储湿度<br>Storage Humidity       | $\leq 75\%\text{RH}$                          |
| 自放电率 (月)<br>Self-discharge Rate              | $\leq 1\%$ (月/Monthly)         |                                               |
| 单体电池重量<br>Weight                             | $3.6\text{kg} \pm 100\text{g}$ |                                               |

# TSWB-LYP100AHA-B型电池的充放电特性

## TSWB-LYP100AHA-B CHARGE&DISCHARGE CHART

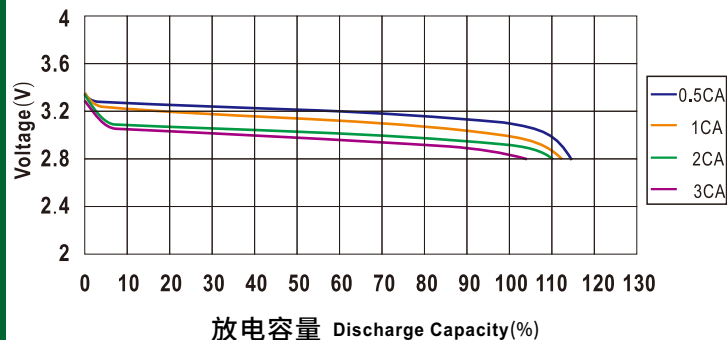
### 不同环境温度下LYP类电池的放电特性曲线

Discharge characteristic curve of LYP type battery under different ambient temperature



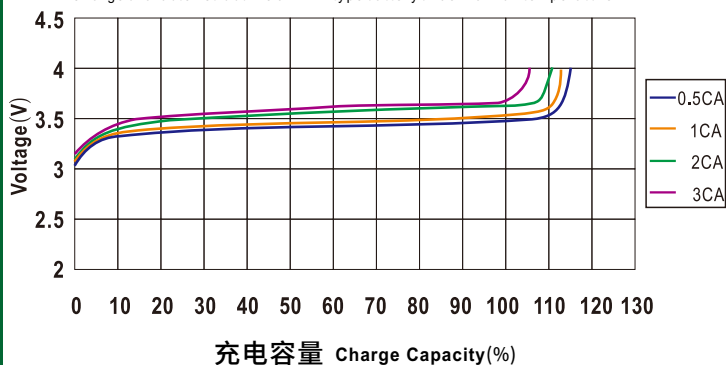
### 常温下LYP类电池的放电特性曲线

Discharge characteristic curve of LYP type battery under normal temperature



### 常温下LYP类电池的充电特性曲线

Charge characteristic curve of LYP type battery under normal temperature



### 在常温下LYP类电池的存储特性曲线

Storage characteristic curve of LYP type battery under normal temperature

