



# 常规系列 (General purpose) DJW12-4.5(12V4.5Ah)

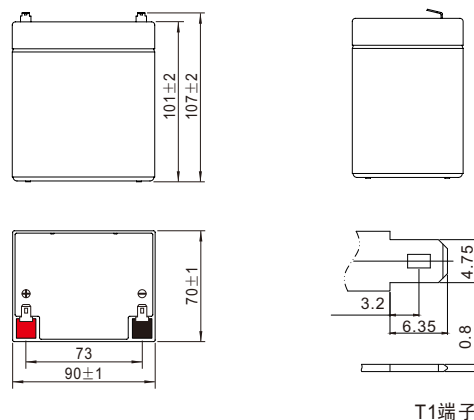


## 规格 Specifications

|                                                    |                            |                         |
|----------------------------------------------------|----------------------------|-------------------------|
| 额定电压 Rated Voltage                                 | 12V                        |                         |
| 标称容量 Nominal Capacity(C <sub>20</sub> ,1.80V/cell) | 4.5Ah                      |                         |
| 尺寸 Dimension                                       | 长 Length                   | 90±1mm (3.54 in.)       |
|                                                    | 宽 Width                    | 70±1mm (2.76 in.)       |
|                                                    | 高 Container Height         | 101±2mm (3.98 in.)      |
|                                                    | 总高(含端子) Total Height       | 107±1mm (4.21 in.)      |
| 重量 Approx Weight                                   | 1.50 Kg (3.2 lbs)          |                         |
| 端子 Terminal                                        | T1/T2                      |                         |
| 外壳材料 Container Material                            | ABS                        |                         |
| 额定容量 Rated Capacity (25°C)                         | 4.50 Ah                    | C20(0.225A,1.80V/cell)  |
|                                                    | 4.19 Ah                    | C10(0.419A,1.80V/cell)  |
|                                                    | 3.80 Ah                    | C5(0.760A,1.75V/cell)   |
|                                                    | 3.30 Ah                    | C3(1.100A,1.75V/cell)   |
|                                                    | 2.67 Ah                    | C1(2.670A,1.67V/cell)   |
| 5S最大放电电流 Max. Discharge Current                    | 67.5A (5s)                 |                         |
| 内阻 Internal Resistance (25°C)                      | Approx 55.0mΩ              |                         |
| 运行温度 Operating Temp.Range                          | 放电 Discharge               | -20 ~ 55°C (-4 ~ 131°F) |
|                                                    | 充电 Charge                  | 0 ~ 40°C (32 ~ 104°F)   |
|                                                    | 存储 Storage                 | -15 ~ 50°C (5 ~ 122°F)  |
| 推荐温度 Nominal Operating Temp. Range                 | 25±5°C (77±5°F)            |                         |
| 最大充电电流(25°C)Max.Charging Current                   | 1.35A                      |                         |
| 充电电压(25°C) Charge voltage                          | 浮充 Float                   | 13.5~13.8V              |
|                                                    | 温度补偿 Temp. Coefficient     | -3mV/单格/°C              |
|                                                    | 循环(均充) Cycle(Equalization) | 14.1~14.4V              |
| 温度对容量影响 Effect of temp. to Capacity                | 40°C (104°F)               | 106%                    |
|                                                    | 25°C (77°F)                | 100%                    |
|                                                    | 0°C (32°F)                 | 86%                     |
| 自放电 Self Discharge                                 | ≤3%/月 @ 25°C               |                         |



## 外形 Layout



T1端子

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

| F.V/Time   | 5min  | 10min | 15min | 20min | 30min | 45min | 1h   | 1.5h | 2h   | 3h   | 4h    | 5h    | 6h    | 8h    | 10h   | 20h   |
|------------|-------|-------|-------|-------|-------|-------|------|------|------|------|-------|-------|-------|-------|-------|-------|
| 1.85V/cell | 8.64  | 6.02  | 4.97  | 4.31  | 3.46  | 2.66  | 2.17 | 1.63 | 1.33 | 1.01 | 0.831 | 0.706 | 0.611 | 0.486 | 0.404 | 0.223 |
| 1.80V/cell | 10.62 | 7.19  | 5.76  | 4.87  | 3.83  | 2.90  | 2.34 | 1.73 | 1.41 | 1.06 | 0.874 | 0.736 | 0.638 | 0.504 | 0.419 | 0.225 |
| 1.75V/cell | 12.6  | 8.13  | 6.35  | 5.31  | 4.09  | 3.08  | 2.46 | 1.81 | 1.47 | 1.10 | 0.901 | 0.756 | 0.654 | 0.518 | 0.427 | 0.227 |
| 1.70V/cell | 14.3  | 8.96  | 6.88  | 5.70  | 4.29  | 3.20  | 2.57 | 1.88 | 1.53 | 1.14 | 0.924 | 0.775 | 0.670 | 0.525 | 0.434 | 0.231 |
| 1.67V/cell | 15.7  | 9.64  | 7.27  | 5.98  | 4.47  | 3.32  | 2.67 | 1.96 | 1.58 | 1.17 | 0.943 | 0.792 | 0.683 | 0.534 | 0.440 | 0.234 |
| 1.60V/cell | 16.5  | 10.04 | 7.58  | 6.17  | 4.60  | 3.40  | 2.73 | 1.99 | 1.63 | 1.19 | 0.966 | 0.808 | 0.696 | 0.545 | 0.447 | 0.236 |

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

| F.V/Time   | 5min | 10min | 15min | 20min | 30min | 45min | 1h   | 1.5h | 2h   | 3h   | 4h   | 5h   | 6h   | 8h    | 10h   | 20h   |
|------------|------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|-------|-------|-------|
| 1.85V/cell | 16.3 | 11.5  | 9.55  | 8.35  | 6.74  | 5.21  | 4.28 | 3.20 | 2.63 | 2.01 | 1.66 | 1.41 | 1.23 | 0.977 | 0.815 | 0.450 |
| 1.80V/cell | 19.8 | 13.6  | 10.98 | 9.37  | 7.41  | 5.65  | 4.58 | 3.39 | 2.78 | 2.10 | 1.73 | 1.46 | 1.27 | 1.01  | 0.838 | 0.452 |
| 1.75V/cell | 23.2 | 15.2  | 12.0  | 10.12 | 7.86  | 5.96  | 4.80 | 3.53 | 2.88 | 2.16 | 1.78 | 1.49 | 1.30 | 1.03  | 0.849 | 0.453 |
| 1.70V/cell | 26.0 | 16.6  | 12.9  | 10.78 | 8.20  | 6.16  | 4.97 | 3.65 | 2.98 | 2.22 | 1.81 | 1.52 | 1.32 | 1.04  | 0.858 | 0.459 |
| 1.67V/cell | 28.3 | 17.6  | 13.4  | 11.21 | 8.48  | 6.36  | 5.15 | 3.77 | 3.05 | 2.27 | 1.84 | 1.55 | 1.34 | 1.05  | 0.866 | 0.463 |
| 1.60V/cell | 29.2 | 18.1  | 13.9  | 11.4  | 8.62  | 6.44  | 5.22 | 3.81 | 3.13 | 2.31 | 1.87 | 1.57 | 1.36 | 1.07  | 0.876 | 0.464 |



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## 应用 Applications

- 通讯  
Telecommunications
- UPS、数据中心  
UPS、Data Center
- 储能、电力  
Energy Storage、Electric Systems
- 紧急照明、安防  
Emergency Lighting、Security
- 医疗、电子设备  
Medical、Electronic Equipment
- 动力  
Motive Power

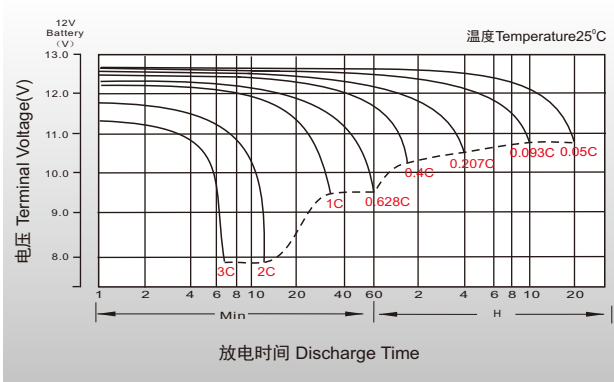
## 特征 General Features

- 25°C下, 设计浮充寿命可达5年。  
Under 25°C, the designed floating life is up to 5 years.
- 特殊的排气结构和密封技术, 使用安全可靠, 安装灵活, 维护便捷。  
Special exhaust structure and sealing technology, safe and reliable, flexible installation, convenient maintenance.

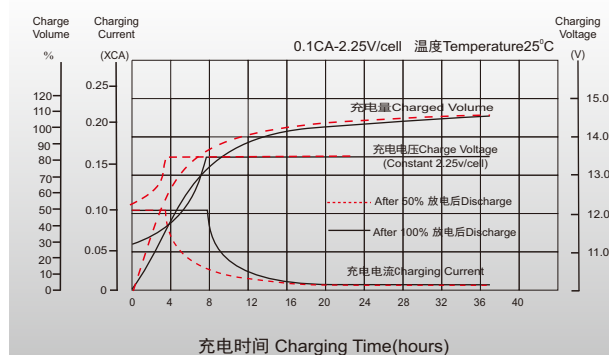
## 标准 Standards

- 符合IEC 61056, GB/T19639  
Compliance with IEC 61056, GB/T19639
- UL 认证  
UL Certified
- 企业通过了IATF16949, OHSAS 18001, ISO 9001和ISO 14001体系认证  
Manufactured in Leoch@IATF16949, OHSAS 18001, ISO 9001 and ISO 14001 certified production facilities

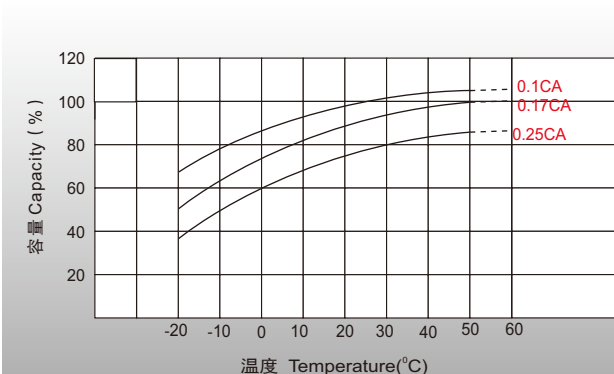
## 放电特性曲线 Discharge Characteristics



## 浮充特性曲线 Float Charging Characteristics



## 温度对容量影响 Temperature Effects in Relation to Battery Capacity



## 温度对浮充寿命影响 Temperature Effects on Long Term Float Life

