



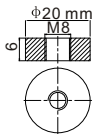
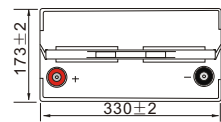
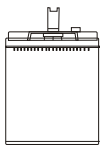
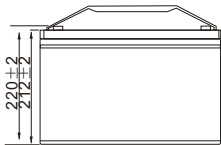
# 常规系列 (General purpose) DJM1290(12V90Ah)

## 规格 Specifications

|                                                      |                            |                         |  |
|------------------------------------------------------|----------------------------|-------------------------|--|
| 额定电压 Rated Voltage                                   |                            | 12V                     |  |
| 标称容量 Nominal Capacity (C <sub>10</sub> , 1.80V/cell) |                            | 90Ah                    |  |
| 尺寸 Dimension                                         | 长 Length                   | 330±2mm (12.99 in.)     |  |
|                                                      | 宽 Width                    | 173±2mm (6.81 in.)      |  |
|                                                      | 高 Container Height         | 212±2mm (8.35 in.)      |  |
|                                                      | 总高(含端子) Total Height       | 220±2mm (8.66 in.)      |  |
| 重量 Approx Weight                                     |                            | 27.8kg (61.3 lbs)       |  |
| 端子 Terminal                                          |                            | M8                      |  |
| 外壳材料 Container Material                              |                            | ABS                     |  |
| 额定容量 Rated Capacity (25°C)                           | 95.4 Ah                    | C20(4.77A, 1.80V/cell)  |  |
|                                                      | 90.0 Ah                    | C10(9.0A, 1.80V/cell)   |  |
|                                                      | 79.0 Ah                    | C5(15.8A, 1.75V/cell)   |  |
|                                                      | 71.7 Ah                    | C3(23.9A, 1.75V/cell)   |  |
|                                                      | 57.6 Ah                    | C1(57.6A, 1.67V/cell)   |  |
| 5S最大放电电流 Max. Discharge Current                      |                            | 900A (5s)               |  |
| 内阻 Internal Resistance (25°C)                        |                            | Approx 5.5mΩ            |  |
| 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                    |                            | 27.0A                   |  |
| 充电电压 (25°C) Charge voltage                           | 浮充 Float                   | 13.5V                   |  |
|                                                      | 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



## 恒流放电表(W) 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 | 187.3 | 139.8 | 116.5 | 97.9  | 75.2  | 56.1  | 47.4 | 35.6 | 28.5 | 21.5 | 17.1 | 14.3 | 12.4 | 10.1 | 8.43 | 4.52 |
| 1.80V/cell | 218.3 | 164.9 | 135.4 | 112.8 | 85.0  | 62.8  | 52.5 | 38.9 | 31.0 | 23.2 | 18.4 | 15.4 | 13.3 | 10.8 | 9.00 | 4.77 |
| 1.75V/cell | 238.3 | 176.8 | 143.3 | 118.3 | 88.9  | 65.3  | 54.4 | 40.2 | 31.9 | 23.9 | 18.9 | 15.8 | 13.6 | 11.0 | 9.14 | 4.83 |
| 1.70V/cell | 258.1 | 188.6 | 151.4 | 124.5 | 92.8  | 67.8  | 56.4 | 41.6 | 32.9 | 24.5 | 19.4 | 16.1 | 13.9 | 11.2 | 9.28 | 4.89 |
| 1.67V/cell | 269.4 | 195.5 | 156.2 | 128.0 | 95.2  | 69.3  | 57.6 | 42.3 | 33.5 | 24.9 | 19.6 | 16.3 | 14.0 | 11.3 | 9.36 | 4.93 |
| 1.60V/cell | 297.0 | 211.5 | 167.4 | 136.4 | 100.5 | 72.9  | 60.4 | 44.2 | 34.9 | 25.8 | 20.3 | 16.8 | 14.4 | 11.6 | 9.56 | 5.02 |

## 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 | 355.9 | 267.7 | 223.7 | 188.6 | 145.4 | 108.8 | 92.2  | 69.3 | 55.6 | 42.1 | 33.6 | 28.1 | 24.5 | 19.9 | 16.7 | 8.99 |
| 1.80V/cell | 408.6 | 311.8 | 257.5 | 215.2 | 163.0 | 120.8 | 101.3 | 75.4 | 60.2 | 45.4 | 36.1 | 30.2 | 26.2 | 21.3 | 17.8 | 9.48 |
| 1.75V/cell | 439.1 | 330.3 | 269.5 | 223.6 | 168.9 | 124.8 | 104.3 | 77.5 | 61.7 | 46.4 | 36.9 | 30.8 | 26.7 | 21.6 | 18.0 | 9.59 |
| 1.70V/cell | 467.8 | 347.7 | 281.7 | 233.0 | 174.8 | 128.5 | 107.4 | 79.6 | 63.4 | 47.5 | 37.7 | 31.4 | 27.2 | 22.0 | 18.3 | 9.70 |
| 1.67V/cell | 483.7 | 357.6 | 291.3 | 238.1 | 178.2 | 130.7 | 109.1 | 80.8 | 64.2 | 48.1 | 38.1 | 31.7 | 27.4 | 22.2 | 18.4 | 9.77 |
| 1.60V/cell | 519.8 | 379.1 | 303.9 | 249.5 | 185.9 | 136.0 | 113.4 | 83.7 | 66.4 | 49.6 | 39.2 | 32.6 | 28.1 | 22.6 | 18.8 | 9.93 |



# 常规系列 (General purpose) DJM1290(12V90Ah)

## 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

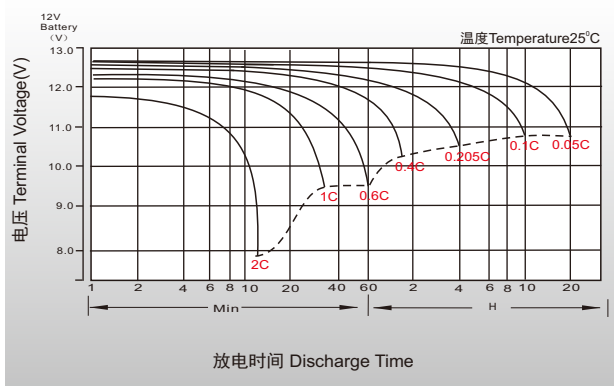
## 特征 General Features

- 25°C下, 设计浮充寿命可达12年。  
Under 25°C, the designed floating life is up to 12 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.

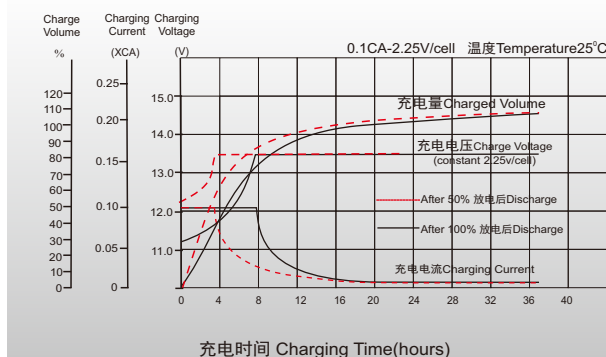
## 标准 Standards

- 符合IEC 60896, GB/T19638, YD/T 799 和DL/T 637标准  
Compliance with IEC 60896, GB/T19638, YD/T 799 and DL/T 637 standards
- UL 认证, 泰尔认证  
UL Certified, TLC Certified
- 企业通过了TS16949, OHSAS 18001, ISO 9001和ISO 14001体系认证  
Manufactured in Leoch® TS16949, OHSAS 18001, ISO 9001 and ISO 14001 certified production facilities

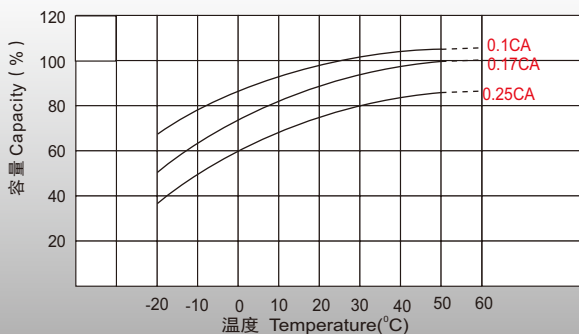
## 放电特性曲线 Discharge Characteristics



## 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

