

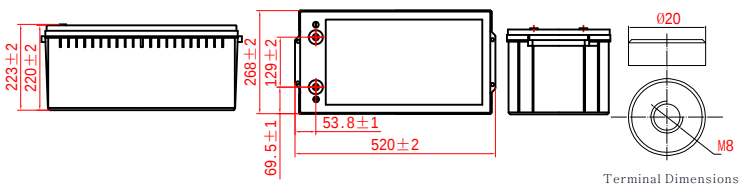


### General Features

- High corrosion resistant performance: Pb-Ca multi-alloy grid
- High energy density and power density
- Optimized capability of instant high-current discharging
- Excellent charge acceptance ability
- Excellent deep cycle discharge capability
- Strong high and low temperature performance
- Precision sealing technology
- Long life



Dimension: 520(L) × 268(W) × 220(H) × 223(TH) Unit: mm



Terminal Dimensions

### Applications

- UPS/EPS
- Power systems
- Telecommunications system
- Emergency lighting、Auto control system
- Solar/wind generating storage cyclic
- Other general purpose

### Specification

|                        |                                                       |
|------------------------|-------------------------------------------------------|
| Nominal Voltage        | 12V                                                   |
| Nominal Capacity       | 250Ah                                                 |
| Design life            | 10 years                                              |
| Terminal               | M8                                                    |
| Approx. Weight         | Approx 68.0kg (150lbs)                                |
| Container Material     | ABS                                                   |
| Rated Capacity         | <b>250.0Ah</b> 10Hour Rate (25.0A to 10.8V)           |
|                        | <b>201.0Ah</b> 3Hour Rate (67.0A to 10.2V)            |
|                        | <b>165.0Ah</b> 1Hour Rate (165A to 9.6V)              |
| Internal resistance    | Full charged at 25°C: 3.8 mΩ                          |
| Max. Discharge Current | 3000A(5S)                                             |
| Operating Temperature  | Discharge: -20 ~50°C (-4 ~ 122°F)                     |
|                        | Charge: -20 ~50°C (-4 ~ 122°F)                        |
|                        | Storage: -20 ~50°C (-4 ~ 122°F)                       |
| Charge current:        | Max. 62.5A ; Recom.25A                                |
| Charge Method (25 °C)  | Float Charge: 13.5-13.8V, recom. 13.8V (-18mV/ °C)    |
|                        | Equalize charge: 13.8-14.1V, recom. 14.1V (-24mV/ °C) |
|                        | Cycle charge: 14.4-15.0V, recom. 14.7V (-30mV/ °C)    |
| Self discharge         | 3% of capacity declined per month at 25°C             |

### Constant Current Discharge Characteristics Unit: A (25°C, 77°F)

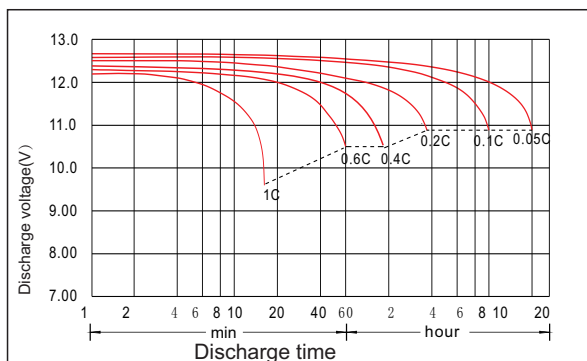
| FV/Time | 5min | 10min | 15min | 30min | 45min | 1h  | 1.5h | 2h   | 3h   | 4h   | 5h   | 6h   | 8h   | 10h  | 20h  |
|---------|------|-------|-------|-------|-------|-----|------|------|------|------|------|------|------|------|------|
| 1.60V   | 306  | 306   | 306   | 225   | 195   | 165 | 104  | 94.6 | 68.7 | 49.7 | 46.1 | 36.8 | 30.3 | 25.8 | 13.1 |
| 1.65V   | 301  | 301   | 301   | 221   | 193   | 164 | 103  | 94.1 | 67.9 | 49.3 | 45.7 | 36.5 | 30.0 | 25.6 | 12.9 |
| 1.70V   | 289  | 289   | 289   | 218   | 190   | 163 | 102  | 93.4 | 67.0 | 48.7 | 45.2 | 36.1 | 29.8 | 25.4 | 12.7 |
| 1.75V   | 266  | 266   | 266   | 216   | 188   | 161 | 101  | 91.9 | 66.2 | 48.3 | 44.7 | 35.8 | 29.5 | 25.2 | 12.5 |
| 1.80V   | 238  | 238   | 238   | 207   | 181   | 156 | 100  | 90.3 | 65.8 | 47.8 | 44.3 | 35.3 | 29.3 | 25.0 | 12.3 |
| 1.85V   | 212  | 212   | 212   | 189   | 167   | 145 | 96.8 | 85.8 | 61.9 | 46.5 | 41.3 | 34.3 | 28.1 | 23.8 | 12.1 |

### Constant Power Discharge Characteristics Unit: W/cell (25°C, 77°F)

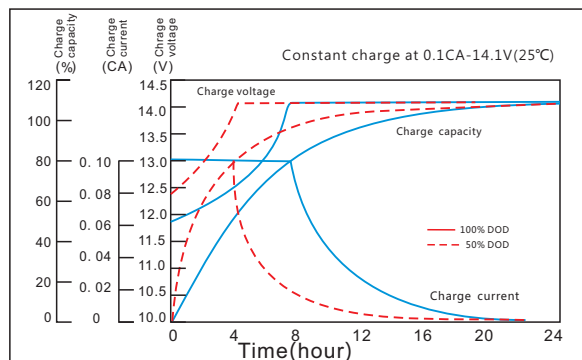
| FV/Time | 5min | 10min | 15min | 30min | 45min | 1h  | 1.5h | 2h  | 3h  | 4h   | 5h   | 6h   | 8h   | 10h  | 20h  |
|---------|------|-------|-------|-------|-------|-----|------|-----|-----|------|------|------|------|------|------|
| 1.60V   | 520  | 520   | 520   | 442   | 382   | 324 | 205  | 186 | 135 | 97.9 | 90.7 | 72.4 | 60.0 | 51.1 | 26.0 |
| 1.65V   | 512  | 512   | 512   | 434   | 377   | 322 | 203  | 185 | 134 | 97.1 | 90.0 | 71.8 | 59.4 | 50.7 | 25.6 |
| 1.70V   | 491  | 491   | 491   | 426   | 373   | 320 | 201  | 184 | 132 | 96.0 | 89.0 | 71.0 | 59.0 | 50.3 | 25.2 |
| 1.75V   | 452  | 452   | 452   | 423   | 369   | 316 | 199  | 181 | 131 | 95.2 | 88.0 | 70.5 | 58.4 | 49.9 | 24.8 |
| 1.80V   | 404  | 404   | 404   | 405   | 355   | 307 | 197  | 178 | 130 | 94.2 | 85.5 | 69.5 | 58.0 | 49.5 | 24.4 |
| 1.85V   | 363  | 363   | 363   | 372   | 329   | 287 | 192  | 170 | 123 | 92.0 | 81.7 | 67.9 | 56.0 | 47.4 | 24.1 |

## JM12-250

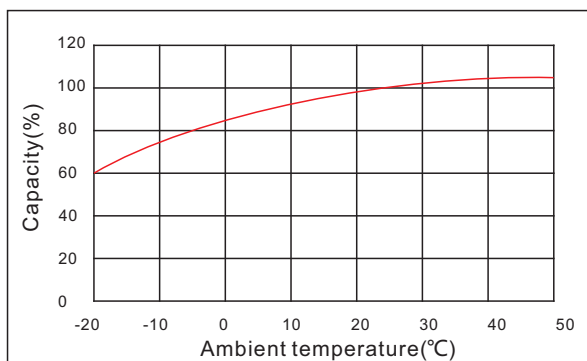
### Discharge characteristic



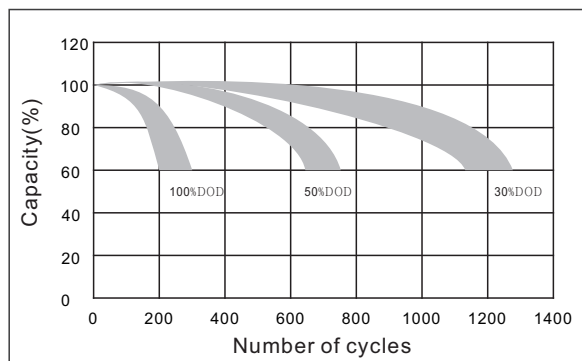
### Charging characteristic



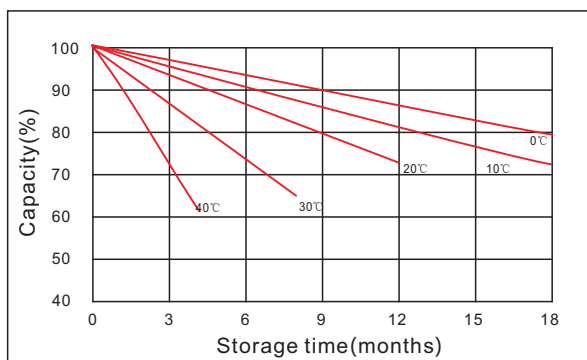
### The effect of temperature on capacity



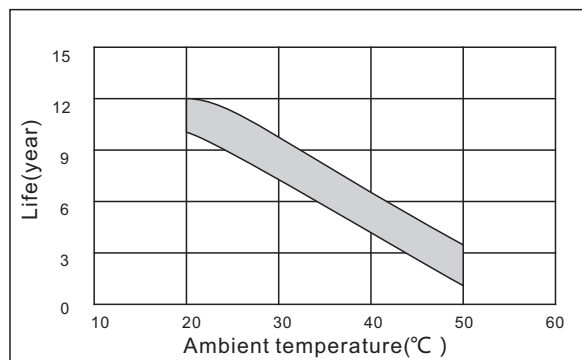
### The effect of discharge depth on cycle life



### Curves of self-discharge



### The effect of temperature on float life



www.kijo.com.cn info@kijo.com.cn

**Jiangxi Jingjiu Power Science & Technology Co. Ltd.**

Add: 1388 Fushan No.1 Street, Xiaolan Economic Development Zone, Nanchang City, Jiangxi Province, China.

+86-791-85982779 +86-791-85989842

**Jiangxi Jingjiu Power (Jiujiang) Co. Ltd.**

Add: Xiwang Rd, Aicheng Industrial Park, Yongxiu Country, Jiujiang City, Jiangxi Province, China.

