

JS12-4.0

JS Series lead-acid battery

Executive standard GB/T 19639.1-2014

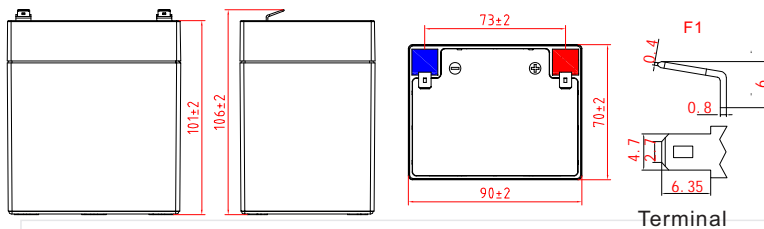


General Features

- 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



Dimension: 90(L)×70(W)×101(H)×106(TH) Unit: mm



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 | 4.0Ah |
| Design life | 5 years |
| Terminal | F1/F2 |
| Approx. Weight | Approx 1.33kg (2.93lbs) |
| Container Material | ABS |
| Rated Capacity | 4.00Ah 20Hour Rate (0.200A to 10.5V) |
| | 3.03Ah 3Hour Rate (1.01A to 10.2V) |
| | 2.79Ah 1Hour Rate (2.79A to 9.60V) |
| Internal resistance | Full charged at 25°C: 60.0 mΩ |
| Max. Discharge Current | 48A(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.1.0A ; Recom.0.40A |
| 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 |

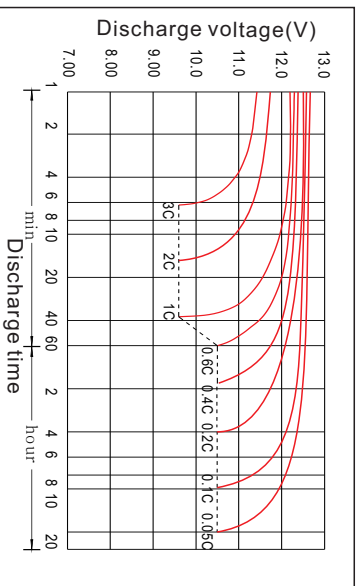
Constant Current Discharge Characteristics Unit: A (25°C, 77°F)

| FV/Time | 5min | 10min | 15min | 30min | 45min | 1h | 1.5h | 2h | 3h | 4h | 5h | 6h | 8h | 10h | 20h |
|---------|------|-------|-------|-------|-------|------|------|------|-------|-------|-------|-------|-------|-------|-------|
| 1.60V | 16.8 | 12.8 | 10.0 | 4.67 | 3.87 | 2.79 | 2.23 | 1.51 | 1.06 | 0.883 | 0.752 | 0.572 | 0.497 | 0.409 | 0.212 |
| 1.65V | 15.3 | 11.8 | 9.38 | 4.43 | 3.68 | 2.66 | 2.13 | 1.45 | 1.03 | 0.857 | 0.737 | 0.565 | 0.488 | 0.404 | 0.208 |
| 1.70V | 14.6 | 11.4 | 9.10 | 4.32 | 3.60 | 2.60 | 2.10 | 1.42 | 1.01 | 0.812 | 0.728 | 0.553 | 0.480 | 0.395 | 0.203 |
| 1.75V | 13.5 | 10.7 | 8.60 | 4.14 | 3.50 | 2.53 | 2.03 | 1.39 | 1.00 | 0.800 | 0.697 | 0.543 | 0.468 | 0.389 | 0.200 |
| 1.80V | 12.4 | 9.93 | 8.17 | 3.96 | 3.35 | 2.42 | 1.97 | 1.35 | 0.945 | 0.783 | 0.668 | 0.532 | 0.457 | 0.380 | 0.192 |
| 1.85V | 10.6 | 8.43 | 7.00 | 3.51 | 3.03 | 2.19 | 1.80 | 1.29 | 0.889 | 0.760 | 0.638 | 0.515 | 0.422 | 0.365 | 0.188 |

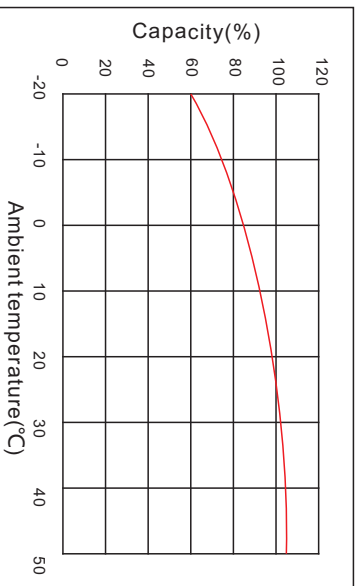
Constant Power Discharge Characteristics Unit: W/cell (25°C, 77°F)

| FV/Time | 5min | 10min | 15min | 30min | 45min | 1h | 1.5h | 2h | 3h | 4h | 5h | 6h | 8h | 10h | 20h |
|---------|------|-------|-------|-------|-------|------|------|------|------|------|------|------|-------|-------|-------|
| 1.60V | 30.3 | 23.2 | 18.3 | 8.65 | 7.27 | 5.24 | 4.23 | 2.83 | 2.01 | 1.67 | 1.42 | 1.09 | 0.937 | 0.791 | 0.420 |
| 1.65V | 27.8 | 21.7 | 17.3 | 8.31 | 6.95 | 5.04 | 4.08 | 2.73 | 1.96 | 1.62 | 1.39 | 1.07 | 0.922 | 0.777 | 0.408 |
| 1.70V | 26.8 | 21.0 | 17.0 | 8.12 | 6.82 | 4.96 | 4.02 | 2.67 | 1.93 | 1.54 | 1.35 | 1.05 | 0.908 | 0.770 | 0.405 |
| 1.75V | 25.1 | 20.0 | 16.2 | 7.87 | 6.65 | 4.83 | 3.92 | 2.62 | 1.90 | 1.52 | 1.33 | 1.03 | 0.883 | 0.753 | 0.397 |
| 1.80V | 23.4 | 19.0 | 15.6 | 7.58 | 6.38 | 4.68 | 3.82 | 2.60 | 1.85 | 1.51 | 1.29 | 1.01 | 0.863 | 0.738 | 0.393 |
| 1.85V | 20.3 | 16.2 | 13.4 | 6.78 | 5.87 | 4.24 | 3.50 | 2.49 | 1.74 | 1.49 | 1.26 | 0.98 | 0.838 | 0.726 | 0.390 |

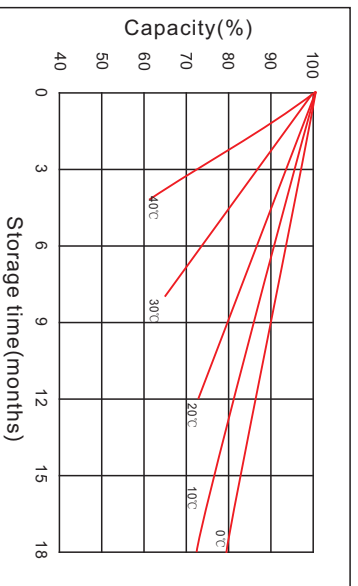
Discharge characteristic



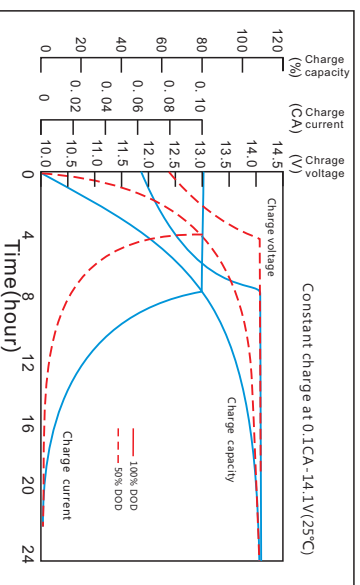
The effect of temperature on capacity



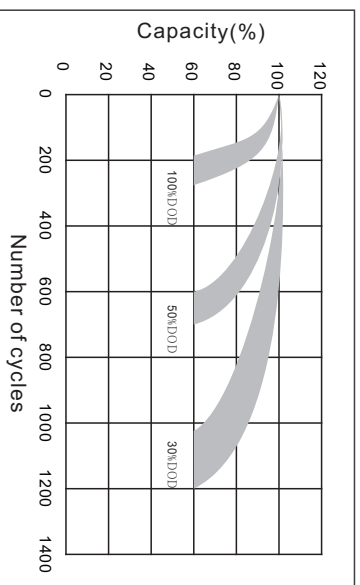
Curves of self-discharge



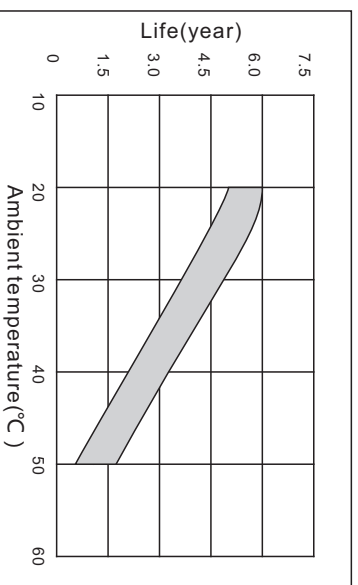
Charging characteristic



The effect of discharge depth on cycle life



The effect of temperature on float life



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

 +86-791-855982779  +86-791-855989842

Jiangxi Jingjiu Power Science&Technology Co. Ltd.

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

Jiangxi Jingjiu Power (Jiujiang) Co. Ltd.

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

