

# JF12-180



## JF Series lead-acid battery

### Applications

- › Telecom outdoor integration site
- › Power systems
- › UPS/EPS
- › Emergency lighting、Auto control system
- › Solar/wind generating storage cyclic
- › Other general purpose

### Specification

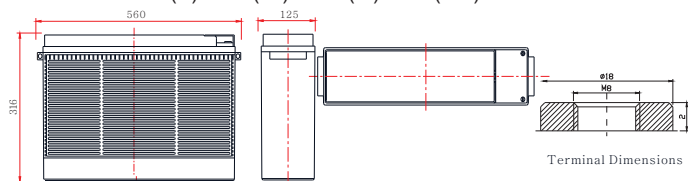
|                        |                                                   |
|------------------------|---------------------------------------------------|
| Nominal Voltage        | 12V                                               |
| Nominal Capacity       | 180Ah                                             |
| Design life            | 12 years                                          |
| Terminal               | M8                                                |
| Approx. Weight         | Approx 53.5kg (118lbs)                            |
| Container Material     | ABS                                               |
| Rated Capacity         | 180Ah 10Hour Rate (18.0A to 10.8V)                |
|                        | 145Ah 3Hour Rate (48.3A to 10.8V)                 |
|                        | 118Ah 1Hour Rate (118A to 10.5V)                  |
| Internal resistance    | Full charged at 25°C: 3.20mΩ                      |
| Max. Discharge Current | 2160A(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. 45A ; Recom.18A                              |
| 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         |

### General Features

- › Narrow structure and front terminal design, suitable for 23-inch standard cabinets
- › High corrosion resistant performance: Pb-Ca multi-alloy grid
- › Excellent charge acceptance ability
- › Excellent deep cycle discharge capability
- › Strong high and low temperature performance
- › Precision sealing technology
- › Long life



Dimension: 560(L)×125(W)×316(H)×316(TH) Unit: mm



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

| FV/Time | 5min | 15min | 30min | 1h  | 2h   | 3h   | 5h   | 8h   | 10h  | 20h  |
|---------|------|-------|-------|-----|------|------|------|------|------|------|
| 1.60V   | 634  | 341   | 207   | 121 | 69.5 | 50.5 | 33.9 | 22.2 | 18.7 | 9.83 |
| 1.65V   | 615  | 330   | 204   | 120 | 69.1 | 49.9 | 33.5 | 22.1 | 18.5 | 9.77 |
| 1.70V   | 590  | 323   | 200   | 120 | 68.6 | 49.2 | 33.2 | 21.9 | 18.4 | 9.72 |
| 1.75V   | 543  | 313   | 198   | 118 | 67.6 | 48.7 | 32.8 | 21.7 | 18.2 | 9.68 |
| 1.80V   | 487  | 292   | 190   | 115 | 66.3 | 48.3 | 31.9 | 21.5 | 18.0 | 9.63 |
| 1.85V   | 434  | 260   | 173   | 106 | 63.0 | 45.5 | 30.3 | 20.6 | 17.5 | 9.47 |

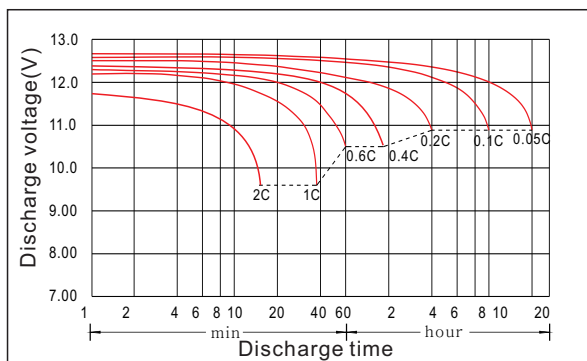
### Constant Power Discharge Characteristics Unit: W/cell (25°C, 77°F)

| FV/Time | 5min | 15min | 30min | 1h  | 2h  | 3h   | 5h   | 8h   | 10h  | 20h  |
|---------|------|-------|-------|-----|-----|------|------|------|------|------|
| 1.60V   | 1063 | 600   | 375   | 229 | 131 | 96.0 | 64.2 | 43.2 | 36.0 | 19.4 |
| 1.65V   | 1023 | 590   | 371   | 227 | 131 | 94.7 | 63.9 | 42.9 | 35.6 | 19.4 |
| 1.70V   | 1017 | 583   | 371   | 226 | 131 | 94.2 | 63.3 | 42.7 | 35.3 | 19.3 |
| 1.75V   | 949  | 579   | 370   | 224 | 130 | 93.7 | 63.0 | 42.3 | 34.9 | 19.2 |
| 1.80V   | 871  | 548   | 361   | 222 | 129 | 93.3 | 62.3 | 42.0 | 34.6 | 19.1 |
| 1.85V   | 778  | 489   | 331   | 206 | 124 | 88.7 | 59.4 | 40.5 | 34.0 | 18.9 |

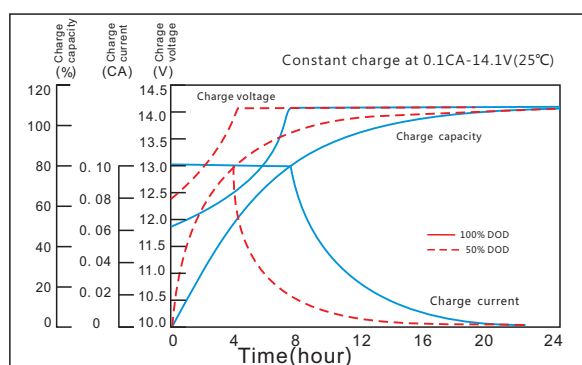
Disclaimer: Manufacturers have the right to self-modify the parameters of the product updates, please keep in touch with manufacturers to obtain the latest information.

## JF12-180

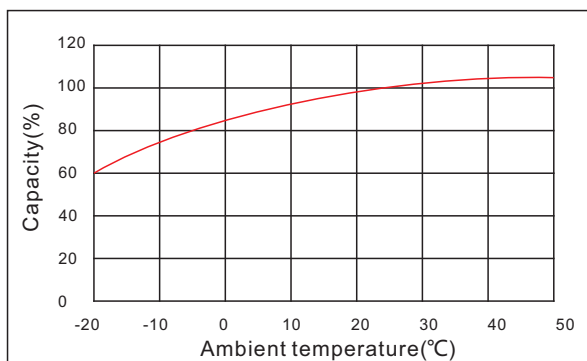
### Discharge characteristic



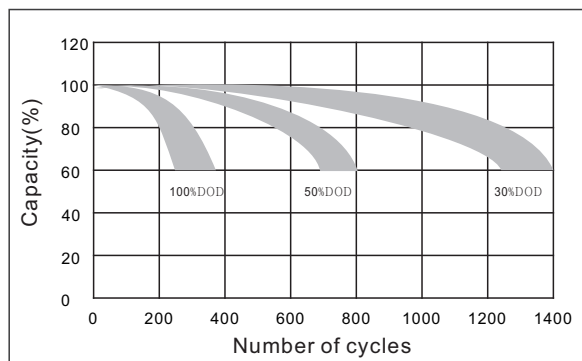
### Charging characteristic



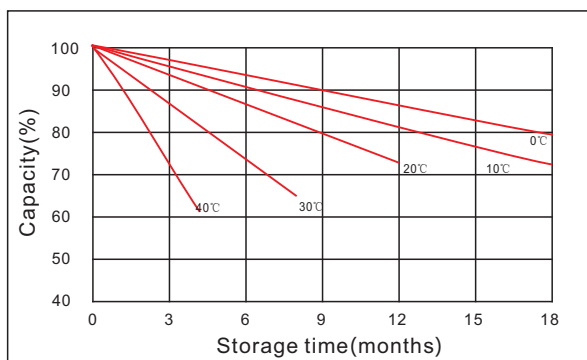
### The effect of temperature on capacity



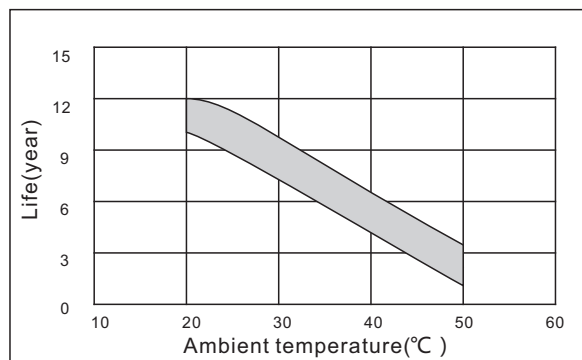
### The effect of discharge depth on cycle life



### Curves of self-discharge



### The effect of temperature on float life



🌐 [www.kijo.com.cn](http://www.kijo.com.cn)    ✉ [info@kijo.com.cn](mailto: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.

