

6-EVF-120H

Executive standard: GB/T 32620.1-2016

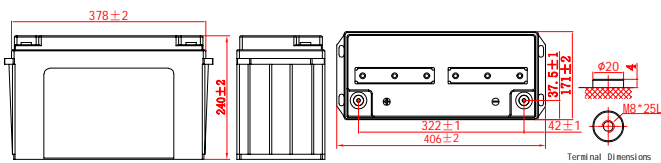


General Features

- High corrosion resistant performance: Pb-Ca multi-alloy grid
- High energy density and power density
- Excellent charge acceptance ability
- Strong high and low temperature performance
- Optimized capability of instant high-current discharging
- Low self-discharge rate



Dimension: 406(L)×171(W)×229(H)×240(TH) Unit: mm



Applications

- Electric vehicle
- Electric wheelchair
- Electric scooter
- Electric play car for children
- Garbage truck
- Patrol car

Specification

| | |
|-----------------------|--|
| Nominal Voltage | 12V |
| Nominal Capacity | 120Ah |
| Design life | 5 years |
| Terminal | M8 |
| Approx. Weight | Approx 41.0kg (90.4lbs) |
| Container Material | ABS |
| Rated Capacity | 137.0Ah 10Hour Rate (13.7A to 10.5V) 120.0Ah 3Hour Rate (40.0A to 10.5V) 102.0Ah 1Hour Rate (102A to 10.5V) |
| Operating Temperature | Discharge: -20 ~50°C(-4~ 122°F) Charge: -20 ~50°C(-4~ 122°F) Storage: -20 ~50°C(-4~ 122°F) |
| Charge Method (25 °C) | Float Use:13.7-13.9V@25 Cycle Use :14.7-14.9V,@25 Max charge current 18.0A |
| Self discharge | 3% of capacity declined per month at 25°C |

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

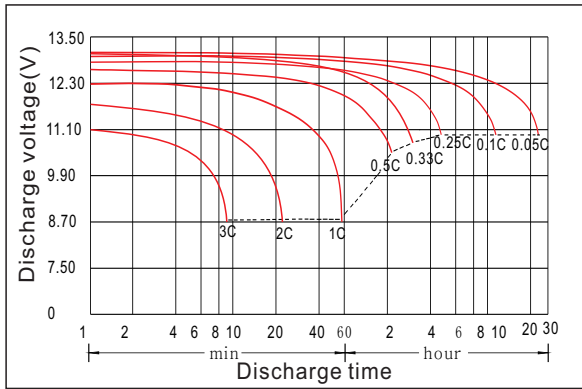
| FV/Time | 30min | 1h | 2h | 3h | 5h | 8h | 10h | 20h |
|---------|-------|------|------|------|------|------|------|------|
| 1.60V | 180 | 105 | 57.7 | 41.5 | 26.8 | 16.7 | 14.1 | 7.61 |
| 1.65V | 177 | 104 | 57.3 | 41.2 | 26.6 | 16.6 | 14.0 | 7.58 |
| 1.70V | 173 | 104 | 56.8 | 40.5 | 26.3 | 16.4 | 13.8 | 7.53 |
| 1.75V | 172 | 102 | 56.0 | 40.0 | 26.0 | 16.3 | 13.7 | 7.50 |
| 1.80V | 165 | 99.4 | 55.0 | 39.8 | 25.4 | 16.3 | 13.6 | 7.47 |
| 1.85V | 150 | 92.1 | 52.2 | 37.5 | 24.1 | 15.5 | 13.2 | 7.33 |

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

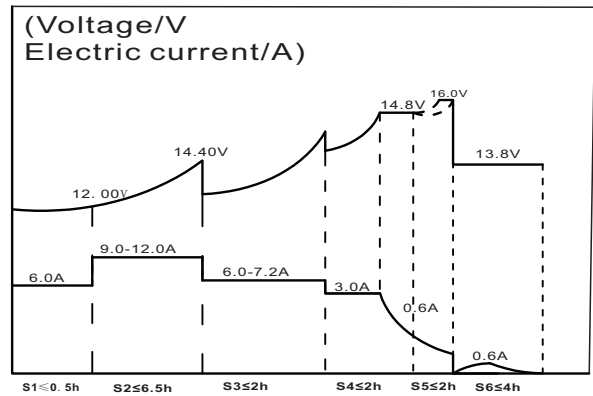
| FV/Time | 30min | 1h | 2h | 3h | 5h | 8h | 10h | 20h |
|---------|-------|-----|-----|------|------|------|------|------|
| 1.60V | 326 | 199 | 109 | 79.0 | 50.9 | 32.6 | 27.1 | 15.1 |
| 1.65V | 323 | 197 | 109 | 78.0 | 50.6 | 32.3 | 26.8 | 15.0 |
| 1.70V | 323 | 196 | 108 | 77.5 | 50.3 | 32.1 | 26.5 | 14.9 |
| 1.75V | 321 | 194 | 108 | 77.0 | 49.9 | 32.0 | 26.4 | 14.9 |
| 1.80V | 312 | 192 | 107 | 76.9 | 49.3 | 31.7 | 26.1 | 14.8 |
| 1.85V | 286 | 178 | 102 | 73.1 | 47.1 | 30.6 | 25.6 | 14.6 |

6-EVF-120H

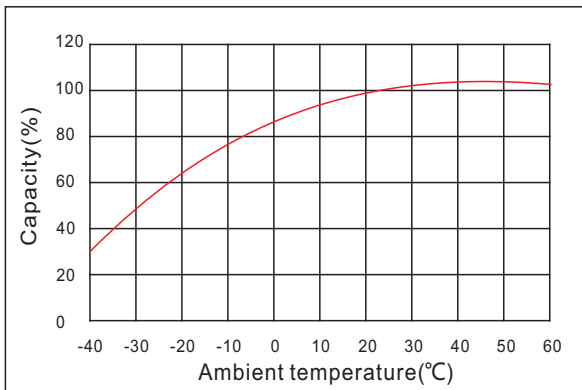
Discharge characteristic



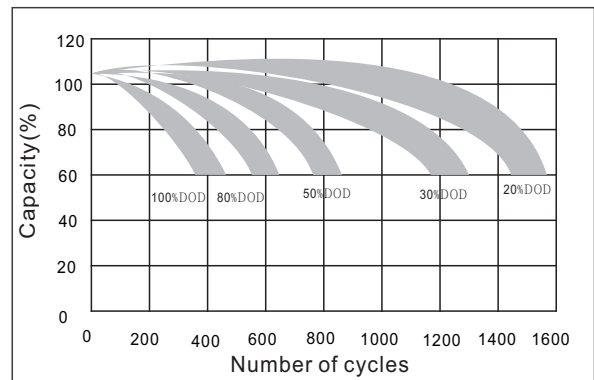
Charging characteristic



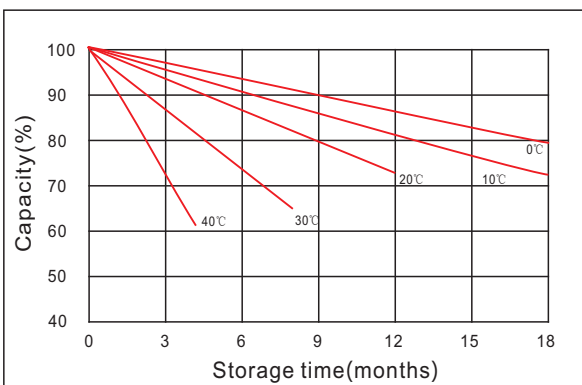
The effect of temperature on capacity



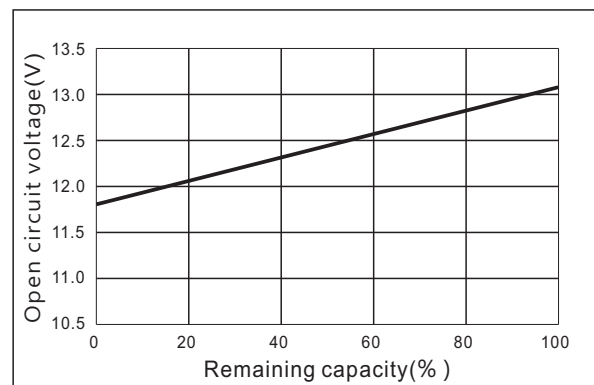
The effect of discharge depth on cycle life



Curves of self-discharge



Curves of open circuit voltage vs. capacity



www.kiju.com.cn info@kiju.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.

