

6-EVF-60H



Applications

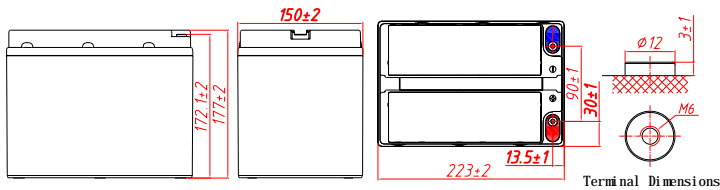
- > Electric vehicle
- > Electric wheelchair
- > Electric scooter
- > Electric play car for children
- > Garbage truck
- > Patrol car

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: 223(L)×150(W)×177(H)×177(TH) Unit: mm



Specification

| | |
|-----------------------|--|
| Nominal Voltage | 12V |
| Nominal Capacity | 60Ah |
| Design life | 5 years |
| Terminal | M6 |
| Approx. Weight | Approx16.35kg (36.0lbs) |
| Container Material | ABS |
| | 72Ah 10Hour Rate (7.20A to 10.5V) |
| | 60Ah 3Hour Rate (20.3A to 10.5V) |
| | 50Ah 1Hour Rate (50A 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) |
| | Float Use:13.7-13.9V@25°C Cycle Use :14.7-14.9V,@25°C Max charge current 9.0A |
| Charge Method (25 °C) | |
| Self discharge | 3% of capacity declined per month at 25°C |

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

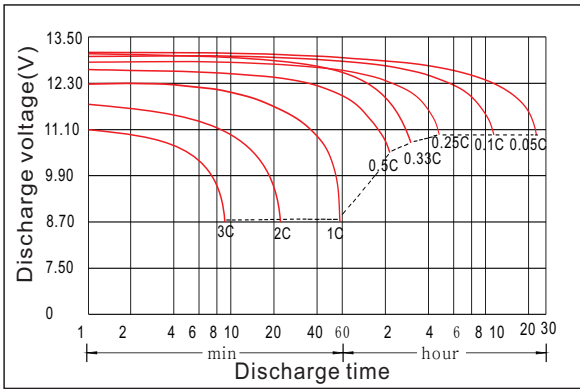
| FV/Time | 5min | 15min | 30min | 1h | 2h | 3h | 5h | 8h | 10h | 20h |
|---------|------|-------|-------|------|------|------|------|------|------|------|
| 1.60V | 243 | 131 | 79.7 | 51.4 | 30.4 | 21.1 | 13.6 | 8.79 | 7.41 | 3.85 |
| 1.65V | 237 | 127 | 78.1 | 51.1 | 30.3 | 21.0 | 13.5 | 8.71 | 7.34 | 3.84 |
| 1.70V | 227 | 124 | 76.6 | 50.8 | 29.9 | 20.5 | 13.3 | 8.63 | 7.27 | 3.81 |
| 1.75V | 209 | 120 | 76.0 | 50.0 | 29.5 | 20.3 | 13.2 | 8.56 | 7.20 | 3.80 |
| 1.80V | 187 | 112 | 72.7 | 48.7 | 29.0 | 20.2 | 12.9 | 8.56 | 7.13 | 3.79 |
| 1.85V | 167 | 100 | 66.4 | 45.1 | 27.5 | 19.1 | 12.2 | 8.16 | 6.91 | 3.71 |

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

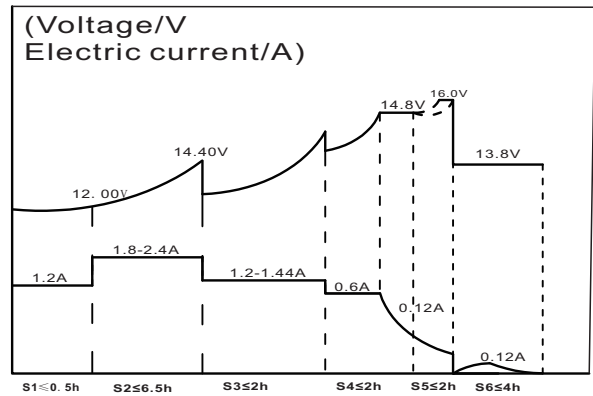
| FV/Time | 5min | 15min | 30min | 1h | 2h | 3h | 5h | 8h | 10h | 20h |
|---------|------|-------|-------|------|------|------|------|------|------|------|
| 1.60V | 409 | 231 | 144 | 97.6 | 57.4 | 40.1 | 25.9 | 17.1 | 14.3 | 7.63 |
| 1.65V | 393 | 227 | 143 | 96.7 | 57.2 | 39.6 | 25.6 | 17.0 | 14.1 | 7.60 |
| 1.70V | 391 | 223 | 143 | 96.0 | 57.0 | 39.4 | 25.5 | 16.8 | 13.9 | 7.56 |
| 1.75V | 364 | 223 | 141 | 95.1 | 56.6 | 39.2 | 25.3 | 16.8 | 13.8 | 7.52 |
| 1.80V | 336 | 211 | 138 | 94.2 | 56.4 | 39.1 | 25.1 | 16.6 | 13.7 | 7.49 |
| 1.85V | 299 | 189 | 127 | 87.4 | 54.0 | 37.1 | 23.9 | 16.0 | 13.5 | 7.42 |

6-EVF-60H

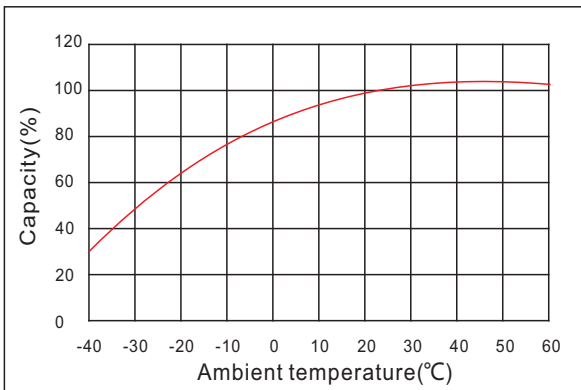
Discharge characteristic



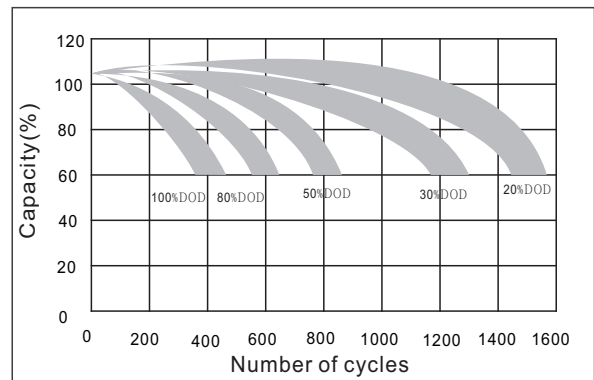
Charging characteristic



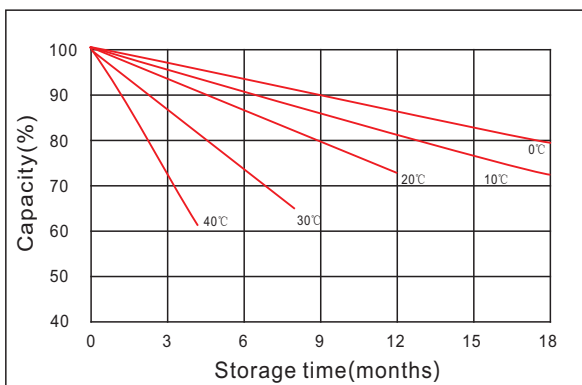
The effect of temperature on capacity



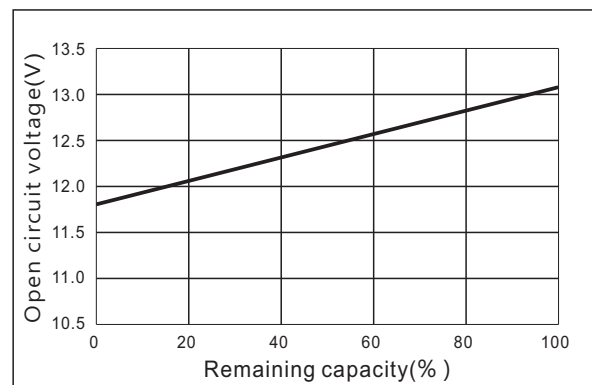
The effect of discharge depth on cycle life



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.

