

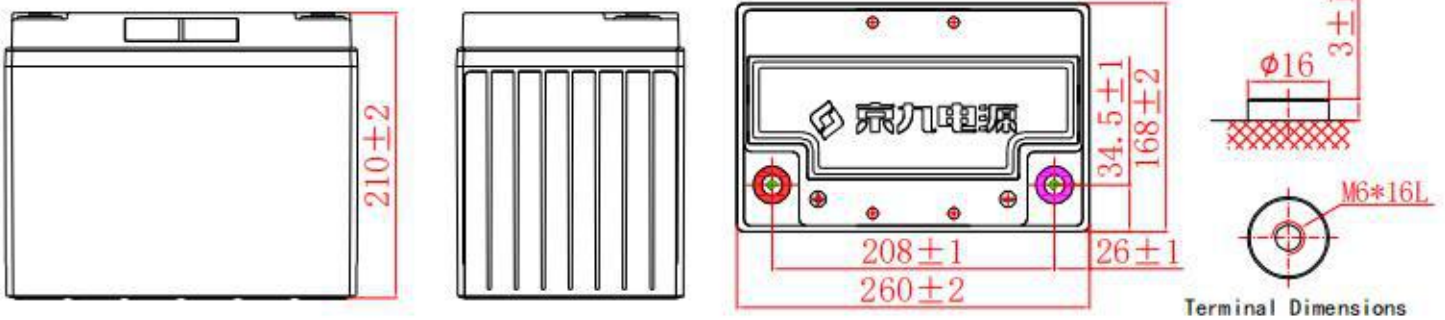
General Features

- ▶ 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
- ▶ Strong high and low temperature performance
- ▶ Low self-discharge rate



Dimension: 260(L) × 168(W) × 210(H) × 210(TH)

Unit: mm



| Specification | |
|------------------------------|---|
| Nominal Voltage | 12V |
| Nominal Capacity | 72Ah |
| Design life | 5 years |
| Terminal | M6 |
| Approx. Weight | Approx 23.8kg (52.5lbs) |
| Container Material | ABS |
| Self discharge | 3% of capacity declined per month at 25°C |
| Rated Capacity | |
| 20Hour Rate (4.50A to 10.5V) | 90.0Ah |
| 3Hour Rate (24.0A to 10.5V) | 72.0Ah |
| 1Hour Rate (60.0A to 10.5V) | 60.0Ah |
| 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) | |
| Max charge current | 10.8A |
| Float Use: | 13.7-13.9V@25 |
| Cycle Use : | 14.7-14.9V,@25 |

Standards

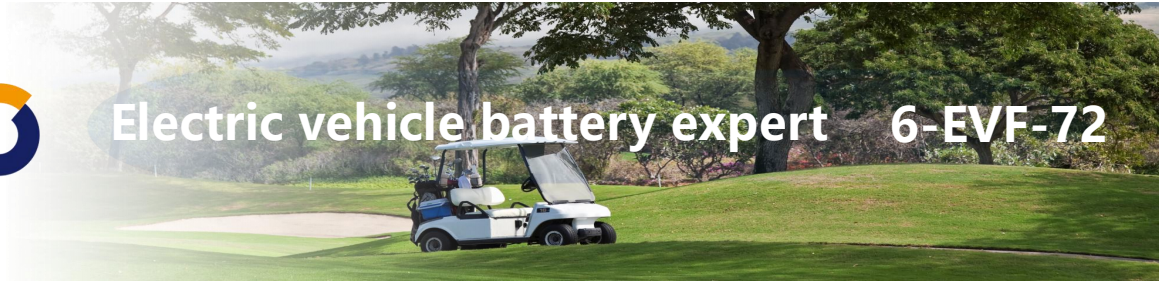
Executive standard :GB/T32620-2016

Applications

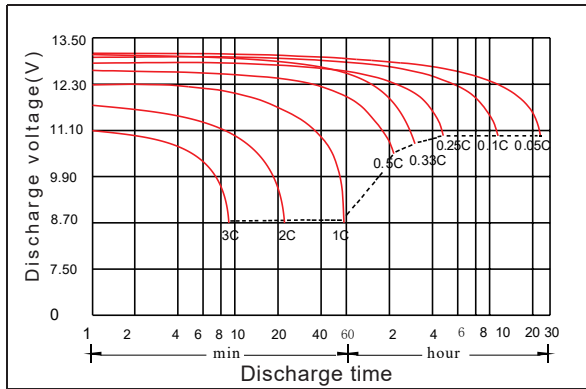
- ▶ Electric vehicle
- ▶ Electric wheelchair
- ▶ Electric scooter
- ▶ Electric play car for children
- ▶ Garbage truck
- ▶ Patrol car

Attain Certificate

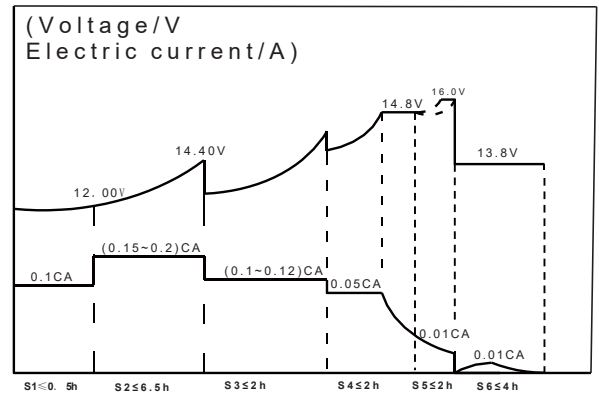




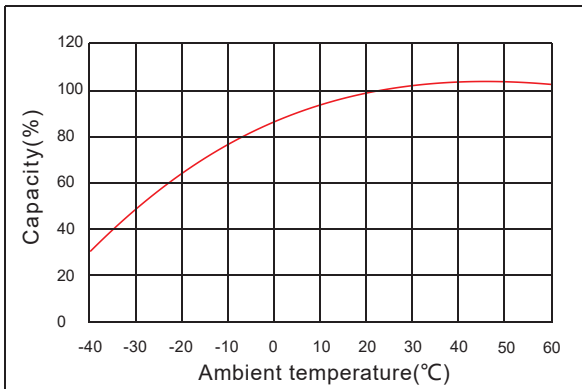
Discharge characteristic



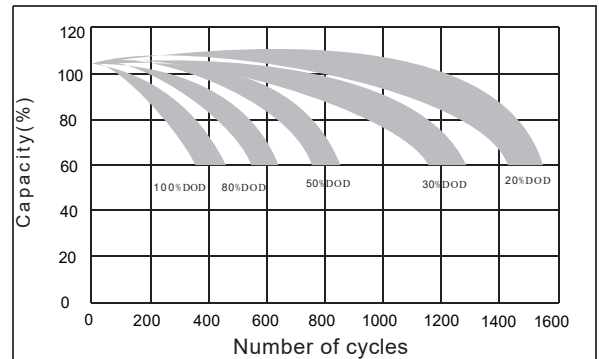
Charging characteristic



The effect of temperature on capacity



The effect of discharge depth on cycle life



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

| FV/Time | 30min | 1h | 2h | 3h | 5h | 8h | 10h | 20h |
|---------|-------|------|------|------|------|------|------|------|
| 1.60V | 101 | 61.7 | 33.5 | 24.9 | 16.5 | 10.4 | 8.75 | 4.57 |
| 1.65V | 98.7 | 61.3 | 33.3 | 24.7 | 16.4 | 10.3 | 8.67 | 4.55 |
| 1.70V | 96.8 | 60.9 | 33.0 | 24.3 | 16.2 | 10.2 | 8.58 | 4.52 |
| 1.75V | 96.0 | 60.0 | 32.5 | 24.0 | 16.0 | 10.1 | 8.50 | 4.50 |
| 1.80V | 91.8 | 58.5 | 31.9 | 23.9 | 15.6 | 10.1 | 8.42 | 4.48 |
| 1.85V | 83.8 | 54.2 | 30.3 | 22.5 | 14.8 | 9.63 | 8.16 | 4.40 |

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

| FV/Time | 30min | 1h | 2h | 3h | 5h | 8h | 10h | 20h |
|---------|-------|-----|------|------|------|------|------|------|
| 1.60V | 182 | 117 | 63.2 | 47.3 | 31.3 | 20.2 | 16.8 | 9.04 |
| 1.65V | 180 | 116 | 63.0 | 46.8 | 31.1 | 20.0 | 16.6 | 9.00 |
| 1.70V | 180 | 115 | 62.8 | 46.5 | 30.9 | 19.9 | 16.5 | 8.95 |
| 1.75V | 179 | 114 | 62.4 | 46.2 | 30.7 | 19.8 | 16.4 | 8.92 |
| 1.80V | 174 | 113 | 62.2 | 46.1 | 30.3 | 19.6 | 16.2 | 8.87 |
| 1.85V | 160 | 105 | 59.4 | 43.9 | 29.0 | 19.0 | 15.9 | 8.79 |