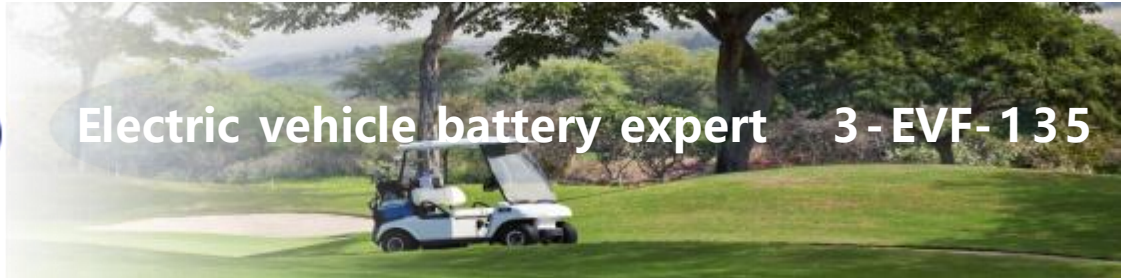




# Electric vehicle battery expert 3 - EVF-135



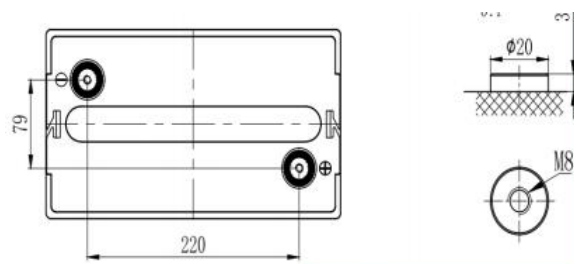
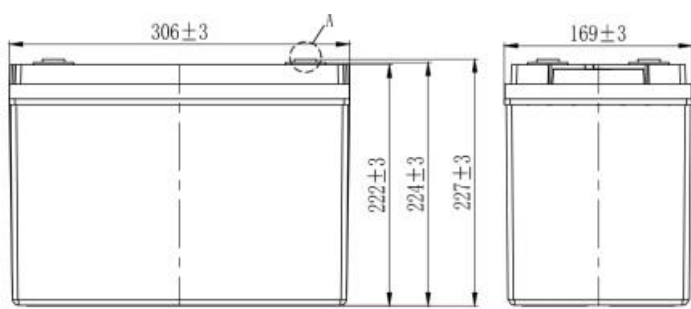
## General Features

- 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:306(L)×169(W) ×222(H)×227(TH)

Unit: mm



## Specification

|                    |                                           |
|--------------------|-------------------------------------------|
| Nominal Voltage    | 6V                                        |
| Nominal Capacity   | 135Ah@3Hour-rate to 1.75V per cell @25°C  |
| Design life        | 5 years                                   |
| Terminal           | M8                                        |
| Approx. Weight     | Approx. 26.5kg±3% (58.4lbs±3%)            |
| Container Material | ABS                                       |
| Self discharge     | 3% of capacity declined per month at 25°C |

## Rated Capacity

|                              |         |
|------------------------------|---------|
| 20Hour Rate (10.0A to 10.5V) | 200.0AH |
| 5Hour Rate (36.0A to 10.5V)  | 180.0Ah |
| 3Hour Rate (45A to 10.5V)    | 135.0Ah |

## 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 | 20.25A        |
| Float Use:         | 6.75-6.90V@25 |
| Cycle Use :        | 7.20-7.50V@25 |

## Standards

Executive standard :GB/T32620-2016

## Applications

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

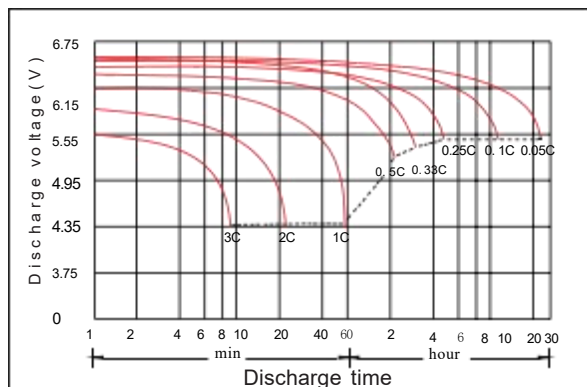
## Attain Certificate



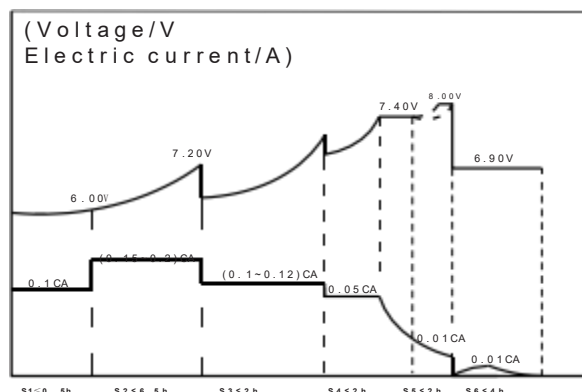
Disclaimer: Manufacturers have the right to self-modify the parameters of the product updates, please keep in touch with manufacturers to obtain the latest information.



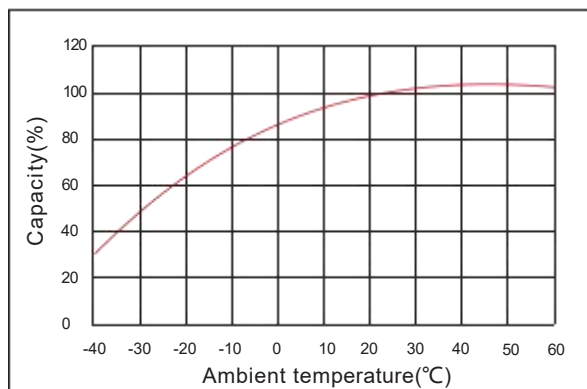
## Discharge characteristic



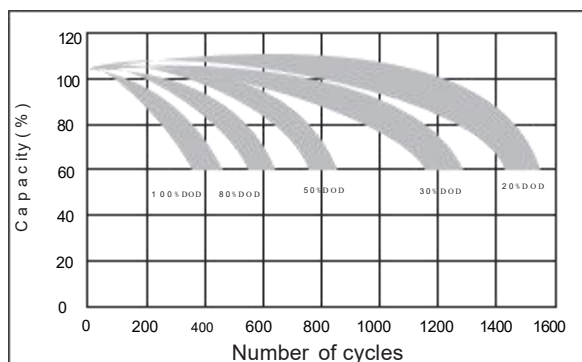
## Charging characteristic



## 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   | 201.2 | 112.1 | 62.5 | 46.7 | 37.2 | 23.78 | 19.65 | 10.19 |
| 1.65V   | 197.3 | 111.3 | 62.1 | 46.3 | 36.8 | 23.61 | 19.34 | 10.13 |
| 1.70V   | 193.5 | 110.6 | 61.6 | 45.5 | 36.5 | 23.29 | 19.17 | 10.06 |
| 1.75V   | 192.2 | 108.9 | 60.7 | 45.0 | 36.0 | 23.12 | 19.01 | 10.00 |
| 1.80V   | 183.2 | 106.1 | 59.7 | 44.9 | 35.2 | 23.02 | 18.85 | 9.93  |
| 1.85V   | 167.9 | 98.4  | 56.6 | 42.2 | 33.3 | 22.13 | 18.21 | 9.79  |

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

| FV/Time | 30min | 1h    | 2h    | 3h   | 5h   | 8h    | 10h   | 20h   |
|---------|-------|-------|-------|------|------|-------|-------|-------|
| 1.60V   | 372.2 | 213.0 | 120.0 | 89.7 | 71.4 | 45.67 | 37.73 | 19.56 |
| 1.65V   | 365.0 | 211.5 | 119.2 | 88.9 | 70.7 | 45.33 | 37.12 | 19.45 |
| 1.70V   | 358.0 | 210.1 | 118.3 | 87.4 | 70.0 | 44.71 | 36.80 | 19.32 |
| 1.75V   | 355.6 | 206.9 | 116.5 | 86.4 | 69.1 | 44.40 | 36.50 | 19.20 |
| 1.80V   | 338.9 | 201.6 | 114.6 | 86.2 | 67.6 | 44.20 | 36.19 | 19.07 |
| 1.85V   | 310.6 | 187.0 | 108.7 | 81.1 | 64.0 | 42.49 | 34.95 | 18.80 |