



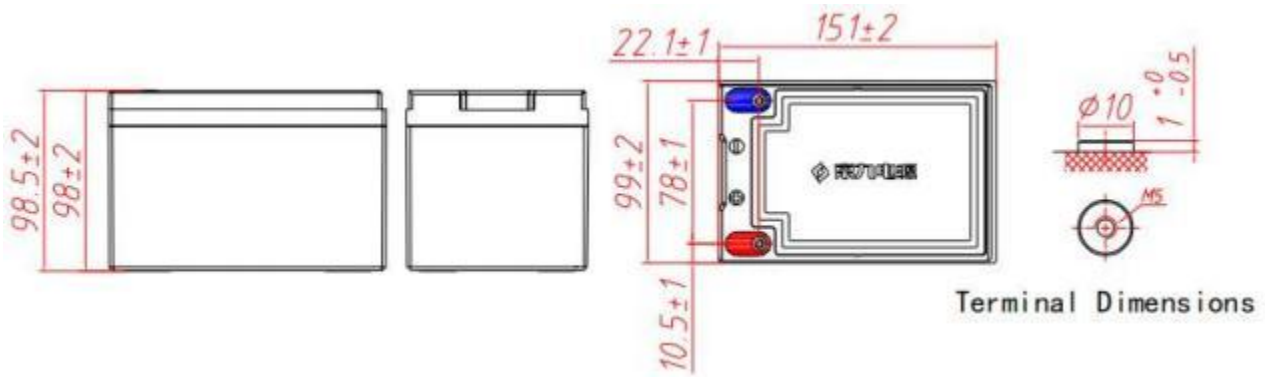
## General Features

- 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:151(L)×99(W) ×98(H)×98.5(TH)

Unit: mm



| Specification                |                                           |
|------------------------------|-------------------------------------------|
| Nominal Voltage              | 12V                                       |
| Nominal Capacity             | 10.0Ah @2Hour-rate to 1.75V per cell @25℃ |
| Design life                  | 5 years                                   |
| Terminal                     | M5                                        |
| Approx. Weight               | Approx. 3.53kg±3% (7.78lbs±3%)            |
| Container Material           | ABS                                       |
| Self discharge               | 3% of capacity declined per month at 25℃  |
| Rated Capacity               |                                           |
| 20Hour Rate (0.65A to 10.5V) | 13.0Ah                                    |
| 5Hour Rate (2.2A to 10.5V)   | 11.0Ah                                    |
| 2Hour Rate (5.0A to 10.5V)   | 10.0Ah                                    |
| Operating Temperature        |                                           |
| Discharge:                   | -20 ~50℃(-4~ 122°F)                       |
| Charge :                     | -20 ~50℃(-4~ 122°F)                       |
| Storage:                     | -20 ~50℃(-4~ 122°F)                       |
| Charge Method(25 °C)         |                                           |
| Max charge current           | 1.5A                                      |
| 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



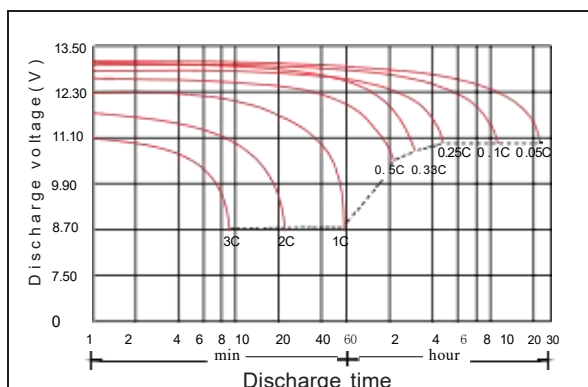
Disclaimer: Manufacturers have the right to self-modify the parameters of the product updates, please keep in touch with manufacturers to obtain the latest information.



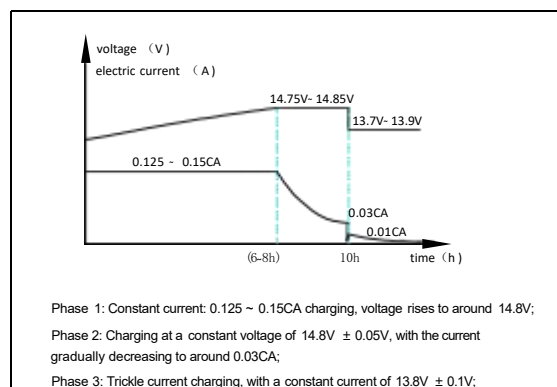
# Electric vehicle battery expert 6-DZF-10L



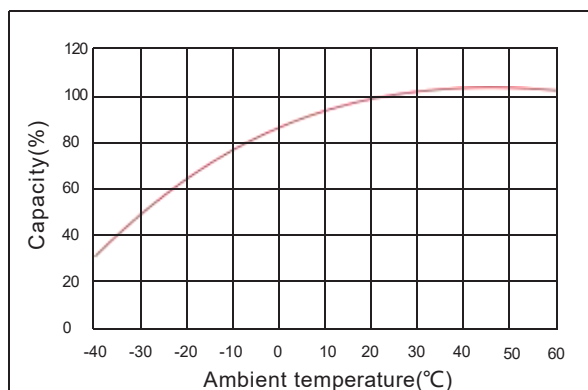
## Discharge characteristic



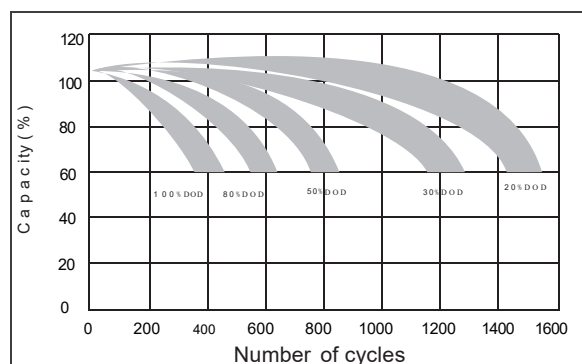
## Charging characteristic



## 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   | 15.9  | 10.1 | 5.23 | 3.63 | 2.27 | 1.440 | 1.214 | 0.663 |
| 1.65V   | 15.7  | 10.0 | 5.18 | 3.60 | 2.26 | 1.430 | 1.205 | 0.658 |
| 1.70V   | 15.3  | 9.9  | 5.14 | 3.55 | 2.23 | 1.420 | 1.197 | 0.654 |
| 1.75V   | 15.2  | 9.8  | 5.00 | 3.54 | 2.20 | 1.410 | 1.180 | 0.650 |
| 1.80V   | 14.5  | 9.5  | 4.97 | 3.51 | 2.15 | 1.400 | 1.163 | 0.641 |
| 1.85V   | 13.2  | 8.8  | 4.72 | 3.30 | 2.04 | 1.330 | 1.129 | 0.632 |

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

| FV/Time | 30min | 1h   | 2h    | 3h   | 5h   | 8h    | 10h   | 20h   |
|---------|-------|------|-------|------|------|-------|-------|-------|
| 1.60V   | 29.5  | 19.1 | 10.04 | 6.97 | 4.36 | 2.765 | 2.331 | 1.273 |
| 1.65V   | 29.0  | 19.0 | 9.95  | 6.91 | 4.34 | 2.746 | 2.314 | 1.264 |
| 1.70V   | 28.4  | 18.8 | 9.87  | 6.82 | 4.28 | 2.726 | 2.298 | 1.256 |
| 1.75V   | 28.1  | 18.5 | 9.60  | 6.80 | 4.22 | 2.707 | 2.266 | 1.248 |
| 1.80V   | 26.8  | 18.0 | 9.54  | 6.74 | 4.13 | 2.688 | 2.233 | 1.230 |
| 1.85V   | 24.5  | 16.8 | 9.06  | 6.34 | 3.92 | 2.554 | 2.168 | 1.213 |