

6-DZF-22



Applications

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

Specification

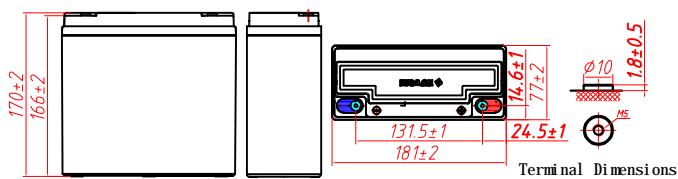
| | |
|-----------------------|--|
| Nominal Voltage | 12V |
| Nominal Capacity | 22Ah |
| Design life | 5 years |
| Terminal | M5 |
| Approx. Weight | Approx6.5kg (14.3lbs) |
| Container Material | ABS |
| | 24.5Ah 10Hour Rate (2.45A to 10.5V) |
| | 22.0Ah 2Hour Rate (11.0A to 10.5V) |
| | 17.0Ah 1Hour Rate (17.0A 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°C Cycle Use :14.7-14.9V,@25°C Max charge current 3.30A |
| Self discharge | 3% of capacity declined per month at 25°C |

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: 181(L)×77(W)×170(H)×170(TH) Unit: mm



Terminal Dimensions

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

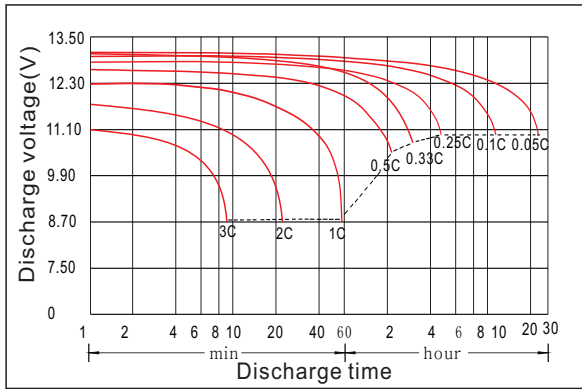
| FV/Time | 5min | 15min | 30min | 1h | 2h | 3h | 5h | 8h | 10h | 20h |
|---------|------|-------|-------|------|------|------|------|------|------|------|
| 1.60V | 102 | 54.5 | 31.5 | 17.5 | 11.3 | 7.88 | 4.84 | 2.99 | 2.52 | 1.39 |
| 1.65V | 98.4 | 52.9 | 30.8 | 17.4 | 11.3 | 7.82 | 4.81 | 2.96 | 2.50 | 1.38 |
| 1.70V | 94.6 | 51.9 | 30.2 | 17.3 | 11.2 | 7.69 | 4.76 | 2.94 | 2.47 | 1.38 |
| 1.75V | 86.9 | 50.0 | 30.0 | 17.0 | 11.0 | 7.60 | 4.70 | 2.91 | 2.45 | 1.37 |
| 1.80V | 77.9 | 46.8 | 28.7 | 16.6 | 10.8 | 7.57 | 4.59 | 2.91 | 2.43 | 1.36 |
| 1.85V | 69.6 | 41.7 | 26.2 | 15.4 | 10.3 | 7.13 | 4.36 | 2.78 | 2.35 | 1.34 |

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

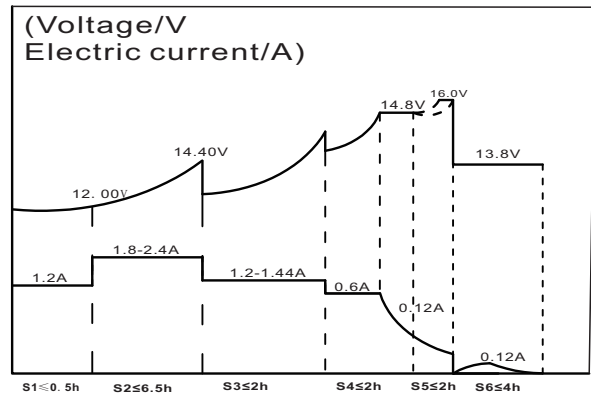
| FV/Time | 5min | 15min | 30min | 1h | 2h | 3h | 5h | 8h | 10h | 20h |
|---------|------|-------|-------|------|------|------|------|------|------|------|
| 1.60V | 171 | 96.2 | 56.9 | 33.2 | 21.4 | 15.0 | 9.20 | 5.82 | 4.85 | 2.75 |
| 1.65V | 164 | 94.6 | 56.2 | 32.9 | 21.3 | 14.8 | 9.14 | 5.77 | 4.80 | 2.74 |
| 1.70V | 163 | 93.3 | 56.2 | 32.6 | 21.3 | 14.7 | 9.08 | 5.74 | 4.74 | 2.73 |
| 1.75V | 152 | 92.9 | 55.9 | 32.3 | 21.1 | 14.6 | 9.03 | 5.71 | 4.72 | 2.71 |
| 1.80V | 140 | 87.8 | 54.4 | 32.0 | 21.1 | 14.6 | 8.91 | 5.66 | 4.66 | 2.70 |
| 1.85V | 125 | 78.5 | 49.9 | 29.7 | 20.1 | 13.9 | 8.51 | 5.47 | 4.58 | 2.67 |

6-DZF-22

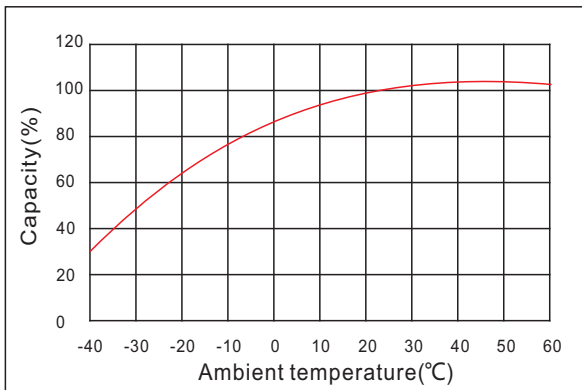
Discharge characteristic



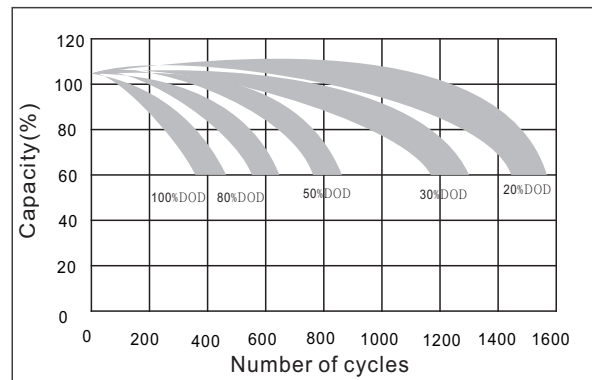
Charging characteristic



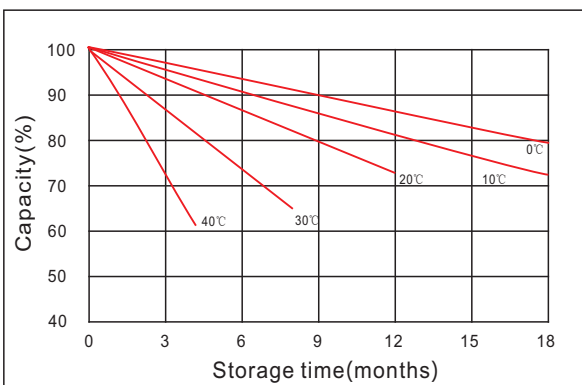
The effect of temperature on capacity



The effect of discharge depth on cycle life



Curves of self-discharge



Curves of open circuit voltage vs. capacity

