

BLACK BATT.

Electric vehicle battery 12V 24Ah

BB24-6 DZF

Applications

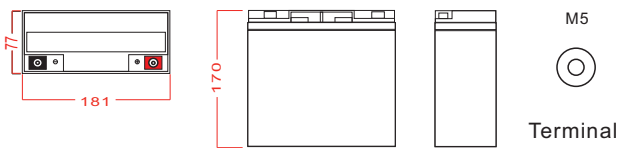
- > Electric vehicle
- > Electric wheelchair
- > Electric scooter
- > Electric play car for children
- > Garbage truck
- > Patrol car

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



Specification

| | |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| Nominal Voltage | 12V |
| Nominal Capacity | 24Ah |
| Design life | 5 years |
| Terminal | M5 |
| Approx. Weight | Approx 6.40kg |
| Container Material | ABS |
| Rated Capacity | 26.8Ah 10Hour Rate (2.68A to 10.5V) 20.9Ah 2Hour Rate (10.45A to 10.5V) 18.2Ah 1Hour Rate (18.2A 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 4.18A |
| Self discharge | 3% of capacity declined per month at 25°C |

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

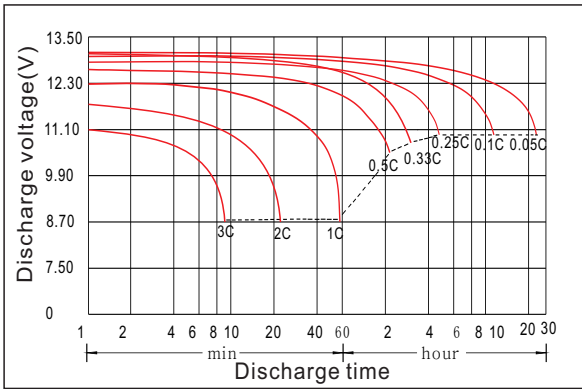
| FV/Time | 5min | 15min | 30min | 1h | 2h | 3h | 5h | 8h | 10h | 20h |
|---------|------|-------|-------|------|-------|------|------|------|------|------|
| 1.60V | 97.8 | 52.6 | 32.0 | 18.7 | 10.76 | 7.94 | 5.23 | 3.34 | 2.75 | 1.44 |
| 1.65V | 94.9 | 51.0 | 31.5 | 18.6 | 10.66 | 7.86 | 5.17 | 3.32 | 2.73 | 1.43 |
| 1.70V | 91.0 | 49.8 | 30.8 | 18.5 | 10.55 | 7.75 | 5.11 | 3.29 | 2.70 | 1.43 |
| 1.75V | 83.7 | 48.3 | 30.6 | 18.2 | 10.45 | 7.67 | 5.06 | 3.27 | 2.68 | 1.42 |
| 1.80V | 75.0 | 44.9 | 29.3 | 17.7 | 10.23 | 7.61 | 4.92 | 3.24 | 2.64 | 1.41 |
| 1.85V | 66.9 | 40.1 | 26.8 | 16.4 | 9.71 | 7.17 | 4.68 | 3.10 | 2.56 | 1.39 |

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

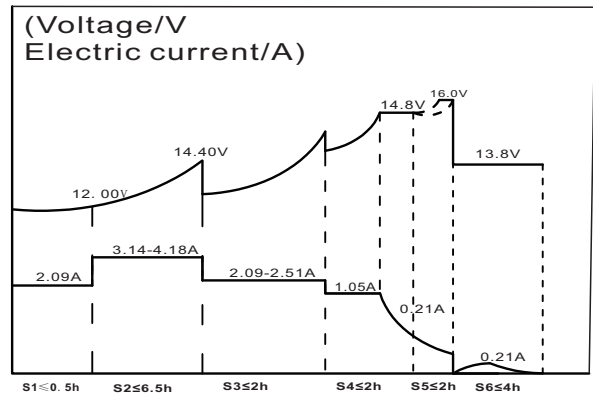
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Disclaimer: Manufacturers have the right to self-modify the parameters of the product updates, please keep in touch with manufacturers to obtain the latest information.

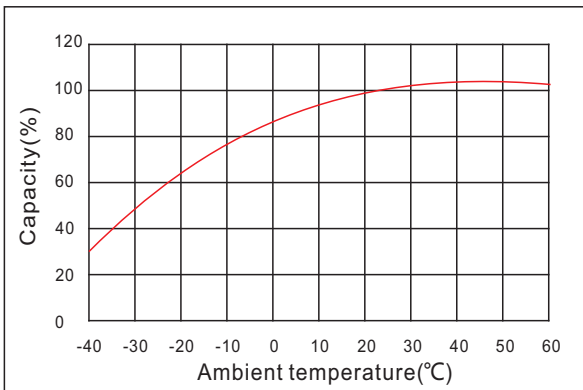
Discharge characteristic



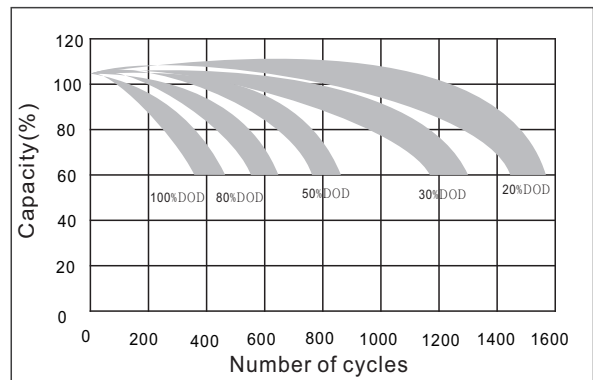
Charging characteristic



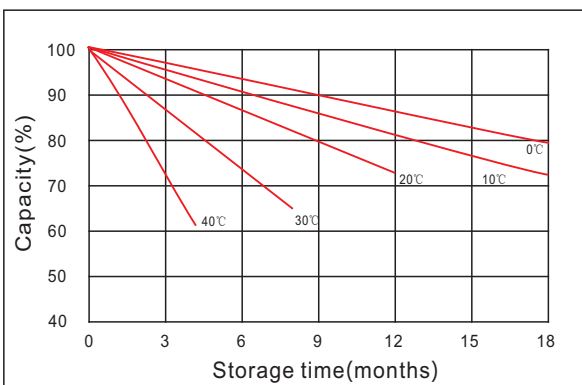
The effect of temperature on capacity



The effect of discharge depth on cycle life



Curves of self-discharge



Curves of open circuit voltage vs. capacity

