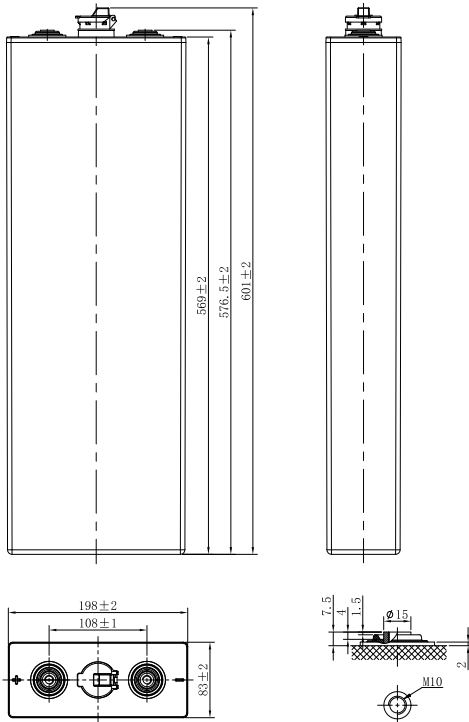


# TRACTION BATTERY

## 4PzS400C (2V400Ah)



## CHARACTERISTICS

| Item                             | Specifications   |                              |
|----------------------------------|--|------------------------------|
| Rated Voltage                    | 2V   |                              |
| Capacity@25°C (86°F)             | C <sub>5</sub> , 1.70V/cell  | 400Ah                        |
| Dimension                        | Length   | 83mm (3.27inches)            |
|                                  | Width  | 198mm (7.80inches)           |
|                                  | Container Height   | 569mm (22.4inches)           |
|                                  | Total Height   | 601mm (23.7inches)           |
| Approx Weight                    | Without Electrolyte  | 17.6kg (38.8lbs)             |
|                                  | With Electrolyte   | 23.2kg (51.1lbs)             |
| Terminal                         | M10  |                              |
| Container Material               | PP   |                              |
| Max. Discharge Current (5s)      | 8C <sub>5</sub>  |                              |
| Operating Temp. Range            | Discharge  | -15~55°C(5~131°F)            |
|                                  | Charge   | 0~50°C(32~122°F)             |
|                                  | Storage  | 5~40°C(41~104°F)             |
| Cycle life                       | ≥1200 cycles   |                              |
| Cycle Use                        | Initial Charging Current   | less than 0.14C <sub>5</sub> |
|                                  | Voltage  | 2.60V-2.65V at 25°C(77°F)    |
|                                  | Temp. Coefficient  | -5mV/°C                      |
| Capacity affected by Temperature | 40°C(104°F)  | 103%                         |
|                                  | 30°C(86°F)   | 100%                         |
|                                  | 0°C(32°F)  | 86%                          |
| Self Discharge                   | Less than 8% C <sub>5</sub> after storing 28 days at 20°C, and then a freshening charge is required.<br>For higher temperature, the time interval will be shorter. |                              |

## APPLICATIONS

- Forklift
- Traction vehicle
- Transportation vehicle
- Tram
- Bus
- Gymnastic and recreation location

## GENERAL FEATURES

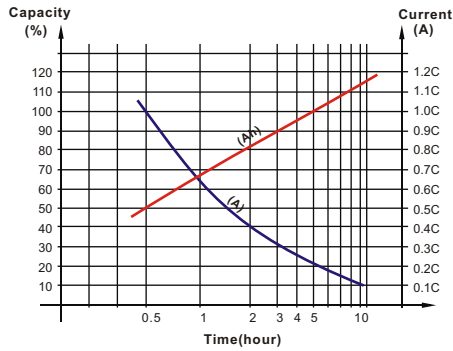
- Nonwoven protective gauntlet, better elastic property, less pore size, less electrical resistance and higher air permeability
- Flexible, fully isolated connector prevents any creeping current
- Flip top plugs with special electrolyte level indication
- Automatic refilling plugs are also available (according request)
- Imported microporous catercome rseparator with advanced quality provides higher porosity and lower electrical resistance
- Containers and lids are made of polypropylene (PP)The impact resistance is very good
- Patented terminal sealing construction fully prevents plate growth and electrolyte leakage

# TRACTION BATTERY

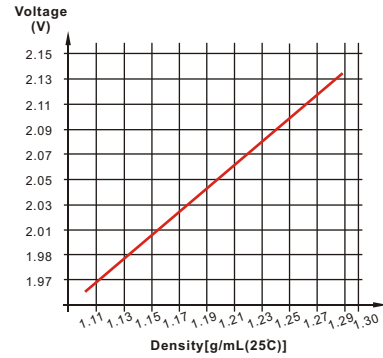
## 4PzS400C (2V400Ah)



### Discharge Characteristics



### Electrolyte Density in Relation to Voltage



### Electrolyte Density in Relation to Capacity



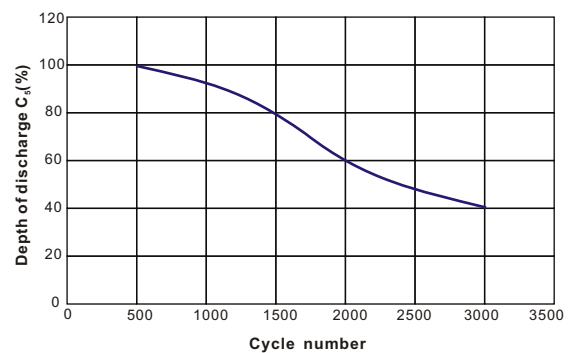
### Temperature in Relation to Battery Capacity



### Discharge Characteristics



### Cycle Life in Relation to Depth of Discharge



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