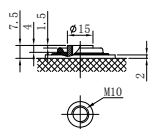
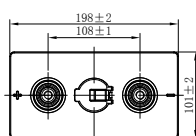
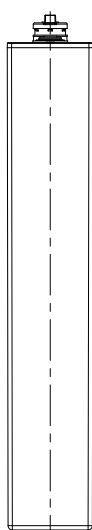
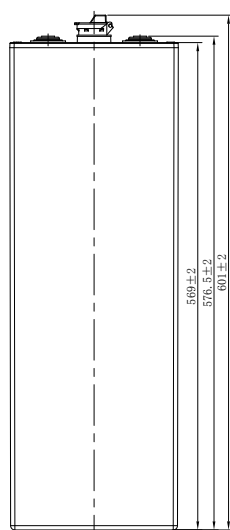


TRACTION BATTERY

5PzS500 (2V500Ah)



CHARACTERISTICS

| Item | Specifications | |
|----------------------------------|--|------------------------------|
| Rated Voltage | 2V | |
| Capacity@25°C (86°F) | C ₅ , 1.70V/cell | 500Ah |
| Dimension | Length | 101mm (3.98inches) |
| | Width | 198mm (7.80inches) |
| | Container Height | 569mm (22.4inches) |
| | Total Height | 601mm (23.7inches) |
| Approx Weight | Without Electrolyte | 22.4kg (49.4lbs) |
| | With Electrolyte | 29.5kg (65.0lbs) |
| Terminal | M10 | |
| Container Material | PP | |
| Max. Discharge Current (5s) | 8C ₅ | |
| 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 ₅ |
| | 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 ₅ after storing 28 days at 20°C, and then a freshening charge is required. For higher temperature, the time interval will be shorter. | |

APPLICATIONS

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

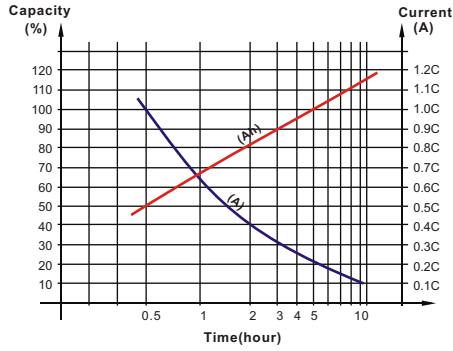
GENERAL FEATURES

- 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

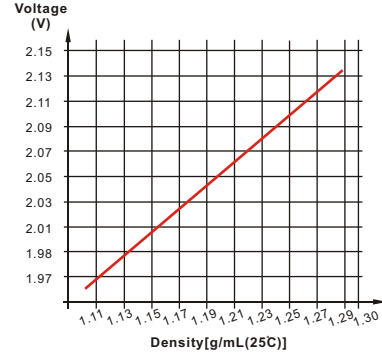
TRACTION BATTERY

5PzS500 (2V500Ah)

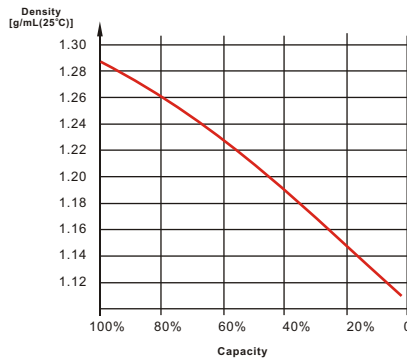
Discharge Characteristics



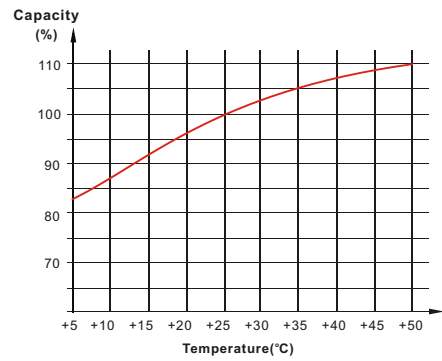
Electrolyte Density in Relation to Voltage



Electrolyte Density in Relation to Capacity



Temperature in Relation to Battery Capacity



Discharge Characteristics



Cycle Life in Relation to Depth of Discharge

