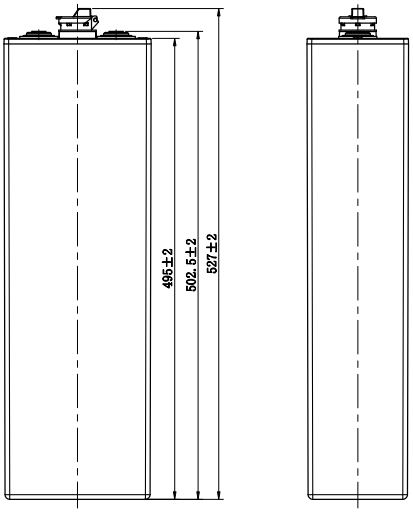
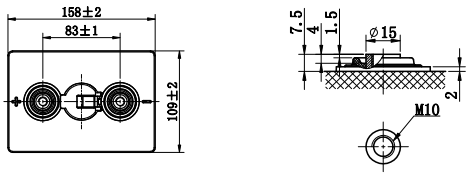
# TRACTION BATTERY

6PzB420 (2V420Ah)

LEOCH BATTERY




## CHARACTERISTICS

| Item | | Specifications |
|---|---|---|
| Rated Voltage | | 2V |
| Capacity@25℃(86℉) | $C_5$, 1.70V/cell | 420Ah |
| Dimension | Length | 109mm (4.29inches) |
| | Width | 158mm (6.22inches) |
| | Container Height | 495mm (19.5inches) |
| | Total Height | 527mm (20.7inches) |
| Approx Weight | Without Electrolyte | 17.4kg (38.4lbs) |
| | With Electrolyte | 23.6kg (52.0lbs) |
| Terminal | | M10 |
| Container Material | | PP |
| Max. Discharge Current (5s) | | $8C_5$ |
| Operating Temp. Range | Discharge | -15~55℃(5~131°F) |
| | Charge | 0~50℃(32~122°F) |
| | Storage | 5~40℃(41~104°F) |
| Cycle life | | ≥1200 cycles |
| Cycle Use | Initial Charging Current | less than $0.14C_5$ |
| | Voltage | 2.60V-2.65V at 25℃(77°F) |
| | Temp. Coeffcient | -5mV/℃ |
| Capacity affected by Temperature | 40℃(104°F) | 103% |
| | 30℃(86°F) | 100% |
| | 0℃(32°F) | 86% |
| Self Discharge | Less than 8% $C_5$ after storing 28 days at 20℃, 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 catercorne 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

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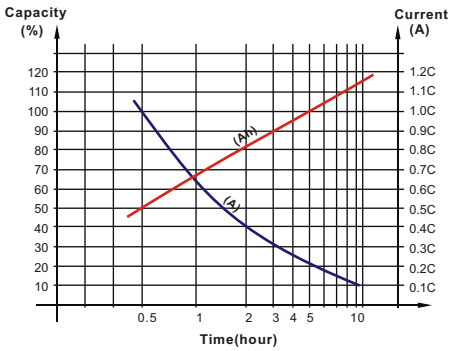
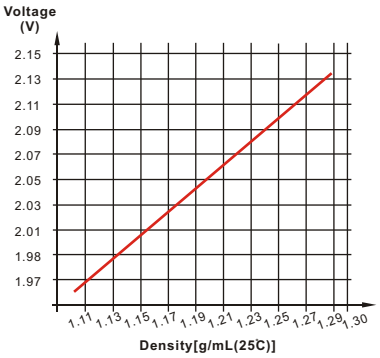
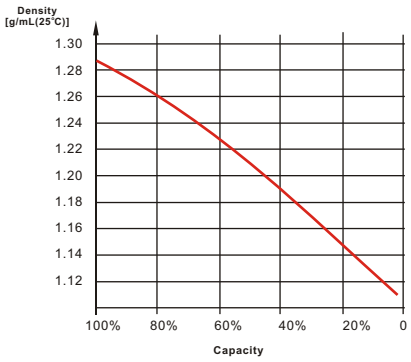
### Discharge Characteristics



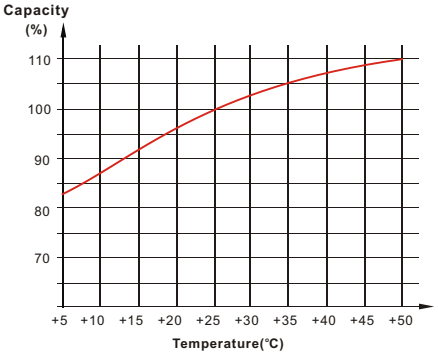

### Electrolyte Density in Relation to Voltage




### Electrolyte Density in Relation to Capacity




### Temperature in Relation to Battery Capacity

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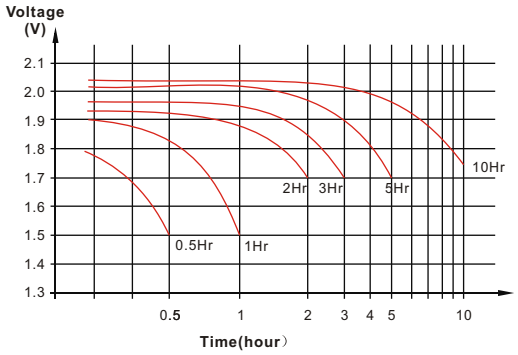
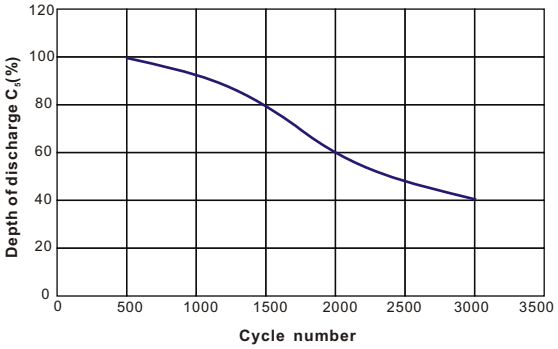



### Cycle Life in Relation to Depth of Discharge





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