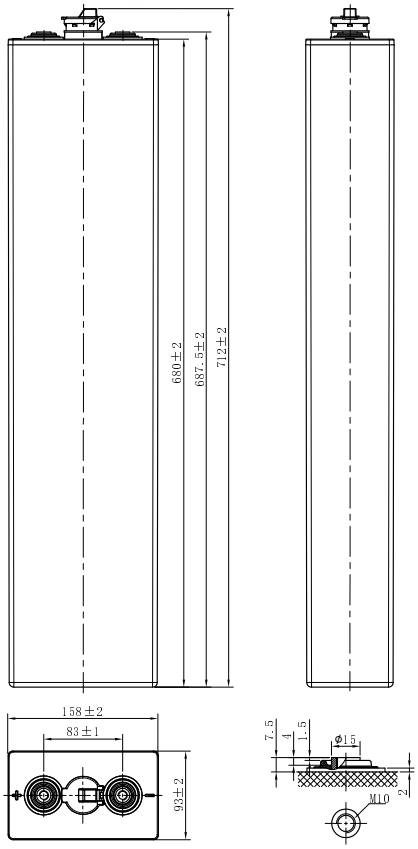
TRACTION BATTERY

5PzB500C (2V500Ah)

LEOCH BATTERY





CHARACTERISTICS

Item		Specifications
Rated Voltage		2V
Capacity@25℃(86℉)	C_5, 1.70V/cell	500Ah
Dimension	Length	93mm (3.66inches)
	Width	158mm (6.22inches)
	Container Height	680mm (26.8inches)
	Total Height	712mm (28.0inches)
Approx Weight	Without Electrolyte	20.8kg (45.9lbs)
	With Electrolyte	28.6kg (63.1lbs)
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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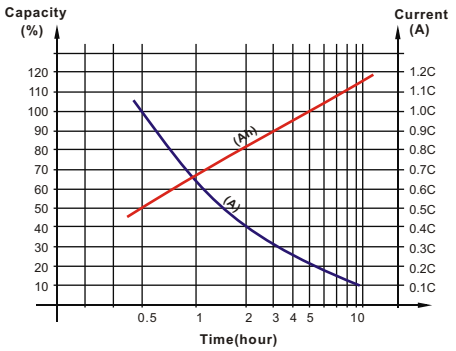
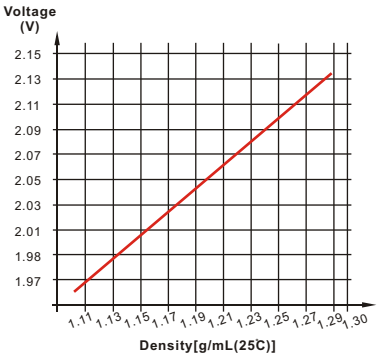
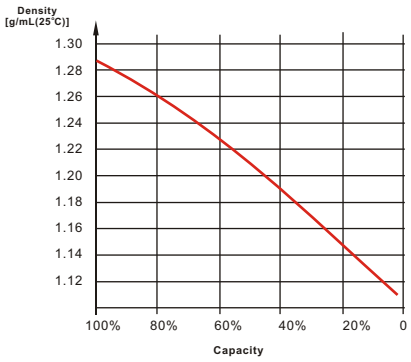
Discharge Characteristics



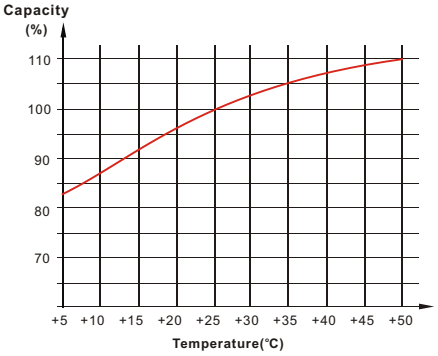
Electrolyte Density in Relation to Voltage



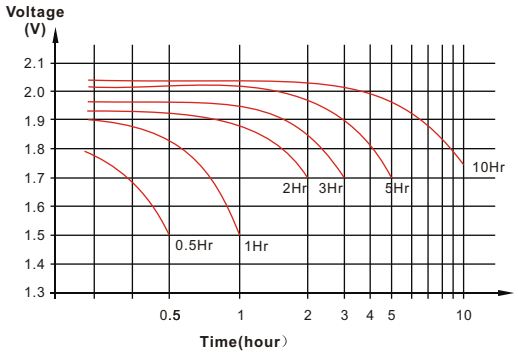
Electrolyte Density in Relation to Capacity



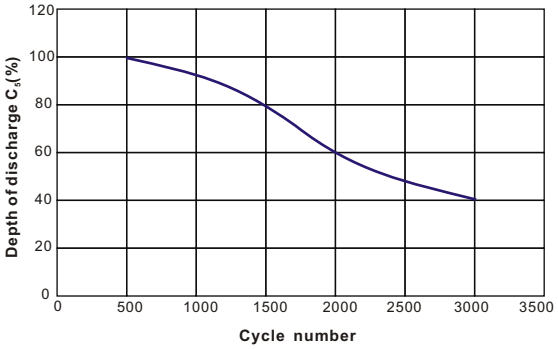
Temperature in Relation to Battery Capacity



Discharge Characteristics



Cycle Life in Relation to Depth of Discharge



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