

### Specification

Nominal Voltage	2V	
Capacity@30°C (86°F)	520.0Ah@5hr to 1.70V/cell	
Dimensions	Length	141±2mm (5.551inches)
	Width	158±2mm (6.22 inches)
	Container Height	457±2mm (17.99 inches)
	Total Height (with Terminal)	489±2mm (19.25 inches)
Approx Weight	Without Electrolyte	22.6 kg (49.83 lbs)
	With Electrolyte	30.0 kg (66.151lbs)
Terminal Bolt	M10	
Container Material	PP	
Rated Capacity	520.0 AH/104.0A	(5hr, 1.70V/cell, 30°C/86°F)
	260.0AH/520.0A	(0.5hr, 1.50V/cell, 30°C/86°F)
Max. Discharge Current	4160A (5s)	
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 72.8A	
	Voltage	: 2.40V~2.50V 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.	
	For higher temperature, the time interval will be shorter.	



### Applications

- ◆ forklift
- ◆ traction vehicles
- ◆ transportation vehicles
- ◆ tram cars
- ◆ buses
- ◆ gymnastic and recreation locations.

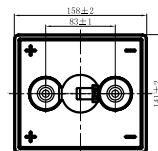
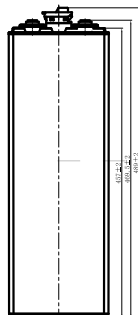
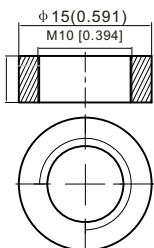
### Construction Features

- ◆ 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 catercorner separator 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.

### Dimensions

#### Terminal

Unit: mm [inches]

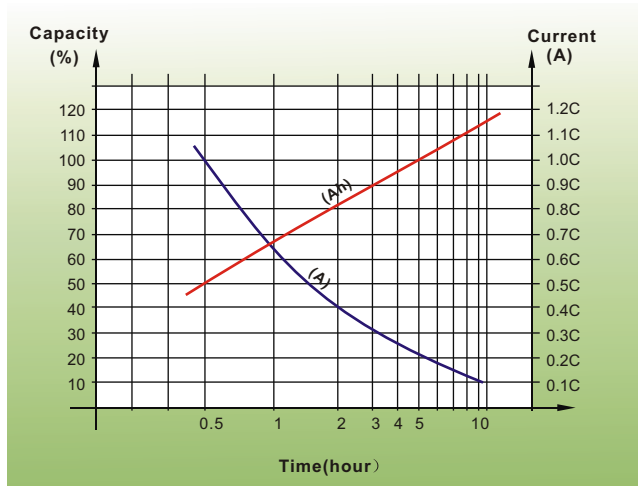


Terminal type: M10 bolt

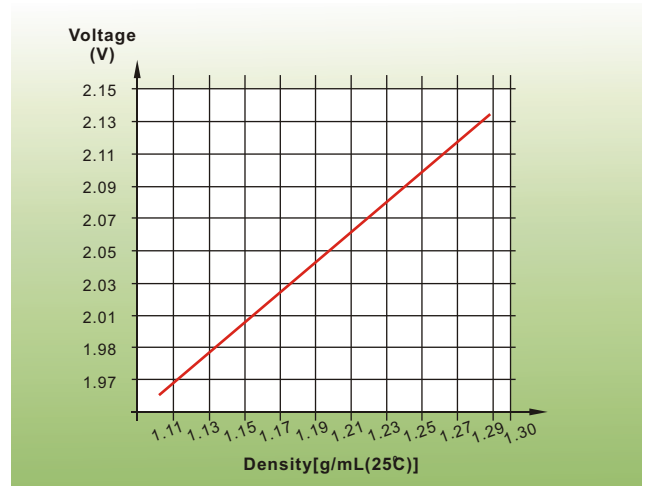


# Performance Characteristics

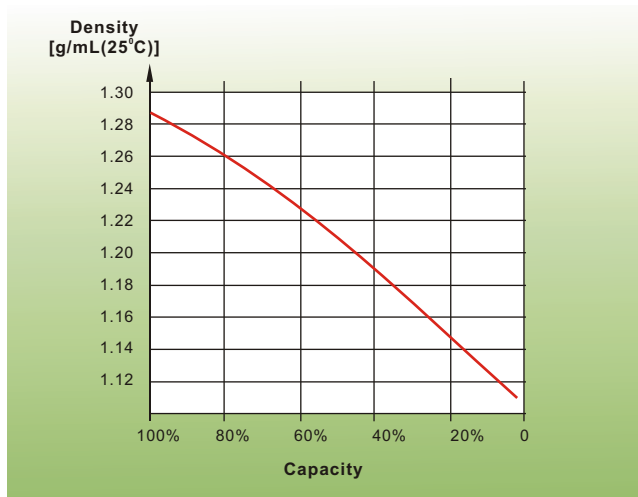
## Discharge Characteristics



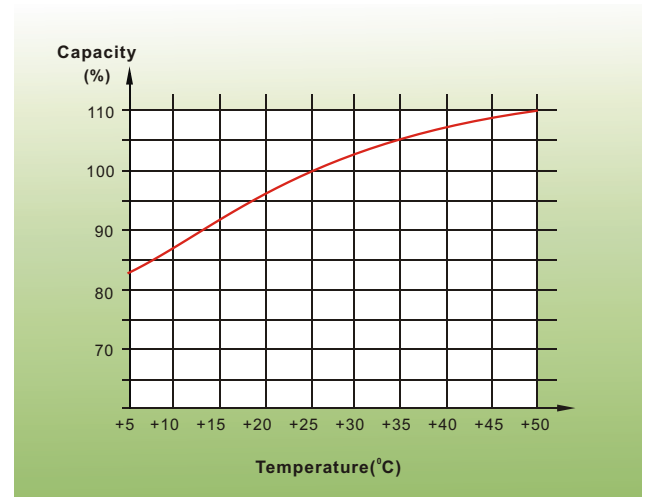
## Electrolyte Density in Relation to Voltage



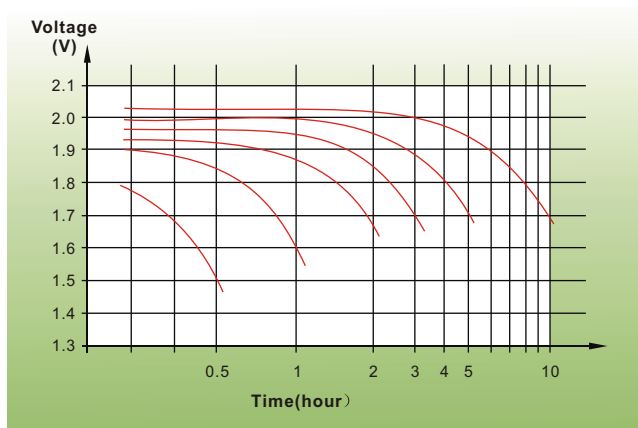
## Electrolyte Density in Relation to Capacity



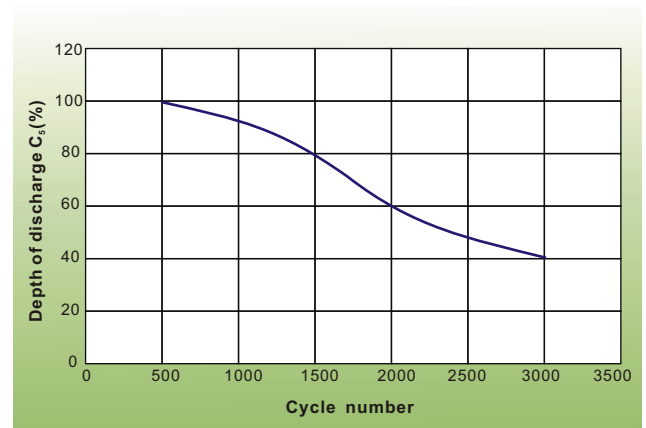
## Temperature in Relation to Battery Capacity



## Discharge Characteristics



## Cycle Life in Relation to Depth of Discharge



## Sales Office

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