

## Specification

Nominal Voltage	6V	
Nominal Capacity(10HR)	9.0AH	
Dimension	Length	151 ± 1mm (5.94 inches)
	Width	51 ± 1mm (2.01 inches)
	Container Height	94 ± 1mm (3.70 inches)
	Total Height (with Terminal)	100 ± 1mm (3.94 inches)
Approx Weight	Approx 1.7 Kg (3.75 lbs)	
Terminal	T2	
Container Material	ABS	
Rated Capacity	9.24 AH/0.477A	(20hr, 1.80V/cell, 25°C/77°F)
	9.0 AH/0.900A	(10hr, 1.80V/cell, 25°C/77°F)
	7.81 AH/1.56A	(5hr, 1.75V/cell, 25°C/77°F)
	7.11 AH/2.37A	(3hr, 1.75V/cell, 25°C/77°F)
	5.54 AH/5.54A	(1hr, 1.60V/cell, 25°C/77°F)
Max. Discharge Current	135A (5s)	
Internal Resistance	Approx 18.0mΩ	
Operating Temp. Range	Discharge : -15~50°C (5~122°F)	
	Charge : 0~40°C (32~104°F)	
	Storage : -15~40°C (5~104°F)	
Nominal Operating Temp. Range	25 ± 3°C (77 ± 5°F)	
Cycle Use	Initial Charging Current less than 2.7A. Voltage 7.2V~7.5V at 25°C(77°F)Temp. Coefficient -15mV/°C	
Standby Use	No limit on Initial Charging Current Voltage 6.75V~6.9V at 25°C(77°F)Temp. Coefficient -10mV/°C	
Capacity affected by Temperature	40°C (104°F)	103%
	25°C (77°F)	100%
	0°C (32°F)	86%
Self Discharge	batteries may be stored for up to 6 months at 25°C(77°F) and then a freshening charge is required. For higher temperatures the time interval will be shorter.	



## Applications

- ◆ UPS and EPS
- ◆ Emergency light
- ◆ Railway signal and aircraft signal system
- ◆ Marine and power stations
- ◆ Alarm and security system
- ◆ Electronic apparatus and equipment
- ◆ Communication power supply, DC power supply



### Constant Current Discharge (Amperes) at 25 °C (77°F)

F.V/Time	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	11.6	9.69	8.26	6.74	5.10	4.28	2.73	2.16	1.75	1.42	1.24	0.995	0.850	0.473
1.80V/cell	14.8	11.7	9.76	7.96	5.93	4.79	2.98	2.33	1.87	1.52	1.33	1.056	0.900	0.477
1.75V/cell	16.3	12.8	10.5	8.26	6.16	5.01	3.09	2.37	1.92	1.56	1.37	1.074	0.909	0.482
1.70V/cell	17.8	13.6	11.0	8.60	6.40	5.17	3.21	2.44	1.96	1.60	1.40	1.089	0.918	0.491
1.65V/cell	19.2	14.5	11.7	9.07	6.56	5.35	3.30	2.54	2.03	1.65	1.43	1.106	0.937	0.497
1.60V/cell	20.8	15.5	12.5	9.58	6.84	5.54	3.41	2.62	2.10	1.70	1.46	1.117	0.947	0.500

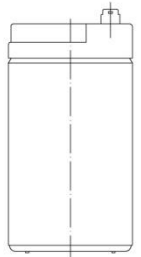
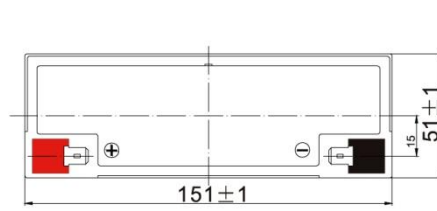
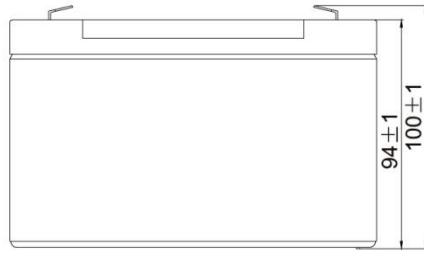
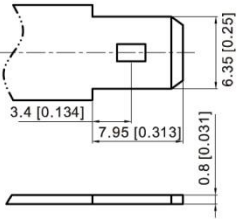
### Constant Power Discharge (Watts/cell) at 25 °C (77°F)

F.V/Time	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	21.8	18.4	15.9	13.1	9.98	8.40	5.40	4.29	3.49	2.83	2.49	1.998	1.711	0.953
1.80V/cell	27.6	22.0	18.5	15.2	11.5	9.36	5.85	4.59	3.70	3.02	2.66	2.115	1.810	0.960
1.75V/cell	29.8	23.7	19.7	15.7	11.8	9.75	6.05	4.66	3.78	3.09	2.72	2.146	1.826	0.968
1.70V/cell	31.8	24.9	20.5	16.2	12.3	10.0	6.27	4.78	3.87	3.16	2.77	2.175	1.843	0.986
1.65V/cell	34.0	26.3	21.7	17.0	12.5	10.3	6.41	4.96	3.99	3.24	2.83	2.203	1.878	0.997
1.60V/cell	36.1	27.7	22.8	17.8	12.9	10.6	6.59	5.09	4.10	3.34	2.88	2.220	1.894	1.001

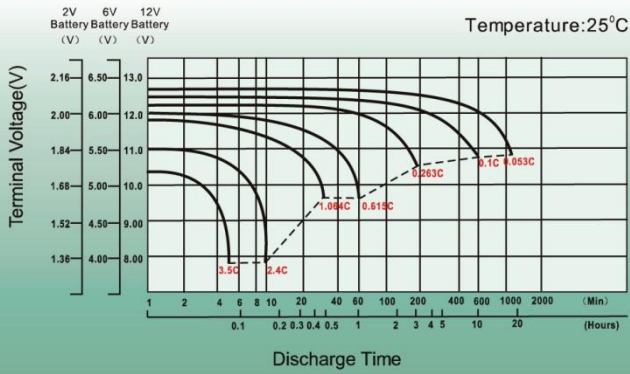
## Dimensions

### T2 Terminal

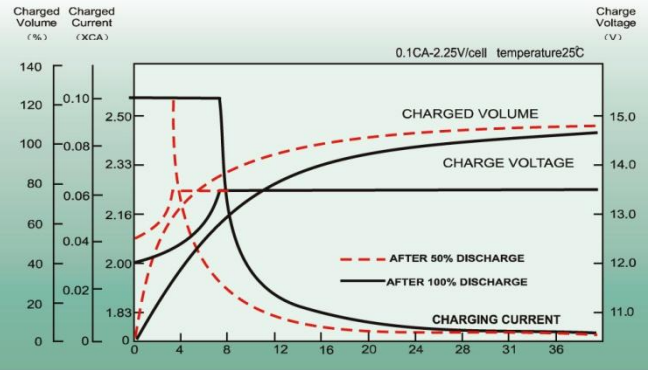
Unit: mm [inches]



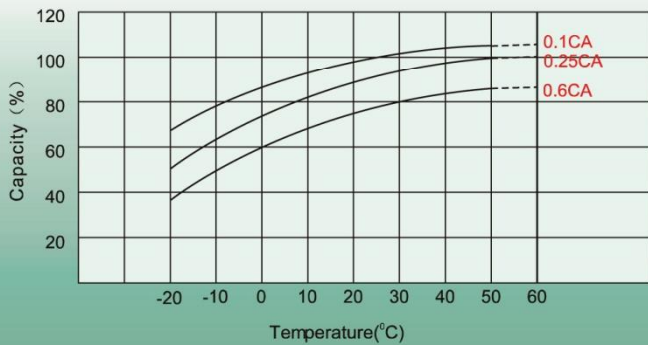
## Discharge Characteristics



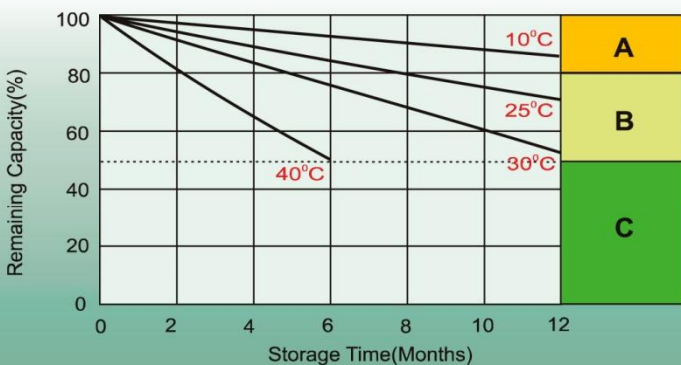
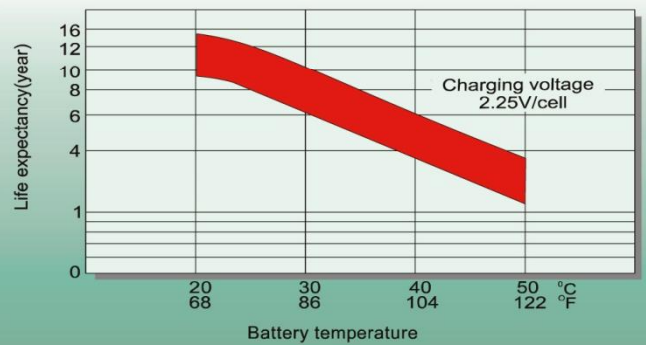
## Float Charging Characteristics



## Temperature Effects in Relation to Battery Capacity



## Effect of Temperature on Long Term Float Life



## Self Discharge Characteristics

- A** No supplementary charge required  
(Carry out supplementary charge before use if 100% capacity is required.)
- B** Supplementary charge required before use. Optional charging way as below:
  1. Charged for above 3 days at limited current 0.25CA and constant voltage 2.25V/cell.
  2. Charged for above 20 hours at limited current 0.25CA and constant voltage 2.45V/cell.
  3. Charged for 8-10 hours at limited current 0.05CA.
- C** Supplementary charge may often fail to recover the capacity.  
The battery should never be left standing till this is reached.

## Sales Office

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