

# STANDBY SERIES

## SN06003.2 (6V 3.2AH)



### Specifications

Nominal Voltage	6V	
Nominal Capacity(20hr)	3.2AH	
Dimension	Length	134±2mm(5.27inch)
	Width	34±2mm(1.34inch)
	Height	60±2mm(2.36inch)
	Total Height	66±2mm(2.60inch)
Approx Weight	Approx. 0.65kg(1.43lbs)	
Terminal Type	T1	
container Material	ABS(UL-94HB)	
Internal Resistance	Approx. 28mΩ	
Rated Capacity	3.20AH/0.16A	(20hr, 1.80V/cell,25°C/77°F)
	3.07AH/0.153A	(10hr, 1.80V/cell,25°C/77°F)
	2.78AH/0.55A	(5hr, 1.75V/cell,25°C/77°F)
	2.46AH/0.82A	(3hr, 1.75V/cell,25°C/77°F)
	1.984AH/1.984A	(1hr, 1.60V/cell,25°C/77°F)
Max. Discharge Current	48A(5S)	
Nominal Operating Temp. Range	25±3°C (77±5°F )	
Cycle Use	Charge Current Less Than 0.25CA	
	7.05V~7.35V@25°C(77°F)Temp. Coefficient -15mV/°C	
Floating Use	No limit on Initial Charging Current Voltage	
	6.75V~6.9V@25°C(77°F)Temp. Coefficient -10mV/°C	
	40°C	103%
Capacity affected by Temperature	25°C	100%
	0°C	86%
	-15°C	65%
	3 month	Remaining capacity: 91%
Self-discharge	6 month	Remaining capacity:82%
	12month	Remaining capacity:65%



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

F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	11.14	8.64	7.23	6.32	4.94	3.67	3.1	1.85	1.45	1.18	0.968	0.842	0.682	0.571	0.314
1.80V/cell	14.8	10.92	8.62	7.36	5.74	4.23	3.46	2	1.55	1.26	1.034	0.9	0.721	0.588	0.316
1.75V/cell	16.33	11.8	9.3	7.84	5.91	4.35	3.6	2.07	1.58	1.28	1.058	0.921	0.732	0.603	0.319
1.70V/cell	17.48	12.57	9.79	8.18	6.12	4.51	3.7	2.12	1.62	1.31	1.083	0.939	0.742	0.615	0.325
1.65V/cell	19	13.44	10.3	8.62	6.4	4.58	3.76	2.14	1.68	1.35	1.109	0.957	0.751	0.626	0.329
1.60V/cell	20.48	14.26	10.9	9.08	6.71	4.75	3.78	2.22	1.72	1.39	1.141	0.974	0.757	0.632	0.33

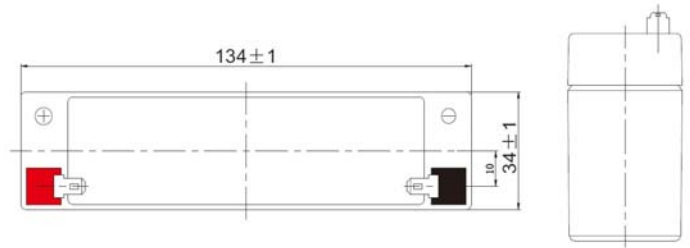
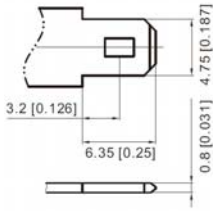
### Constant Current Discharge at 25°C(77°F)

F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	6.09	4.68	3.88	3.35	2.59	1.91	1.61	0.95	0.74	0.61	0.494	0.428	0.345	0.289	0.158
1.80V/cell	8.18	5.98	4.68	3.96	3.06	2.22	1.8	1.04	0.8	0.65	0.53	0.46	0.366	0.298	0.16
1.75V/cell	9.22	6.57	5.12	4.26	3.17	2.3	1.89	1.08	0.82	0.66	0.544	0.472	0.373	0.306	0.162
1.70V/cell	10.16	7.16	5.46	4.48	3.3	2.4	1.95	1.1	0.84	0.68	0.558	0.482	0.378	0.312	0.164
1.65V/cell	11.2	7.73	5.81	4.76	3.49	2.46	1.99	1.12	0.87	0.7	0.573	0.492	0.384	0.318	0.167
1.60V/cell	12.35	8.39	6.21	5.07	3.68	2.56	2.01	1.17	0.9	0.72	0.592	0.503	0.388	0.322	0.168

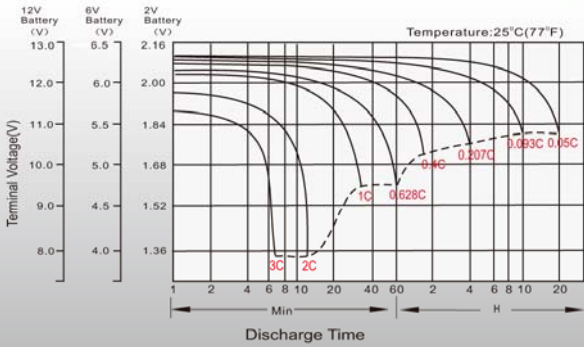
## Dimension

### T1 Terminal

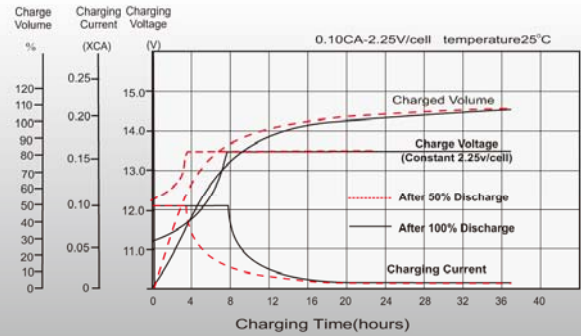
Unit: mm [inches]



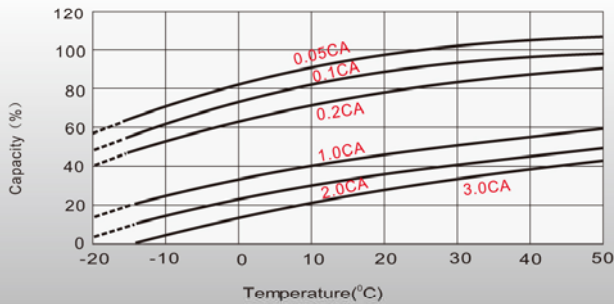
## Discharge Characteristics



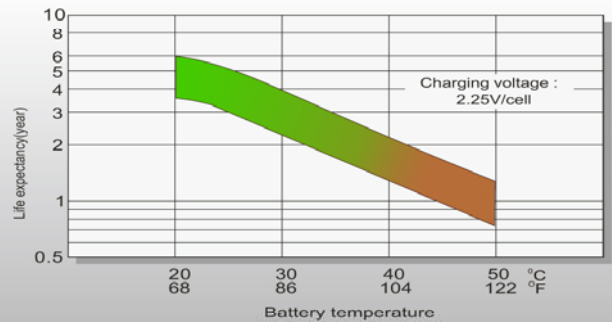
## Float Charging Characteristics



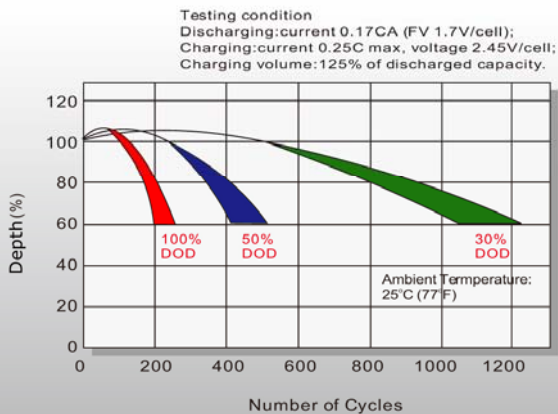
## Temperature Effects in Relation to Battery Capacity



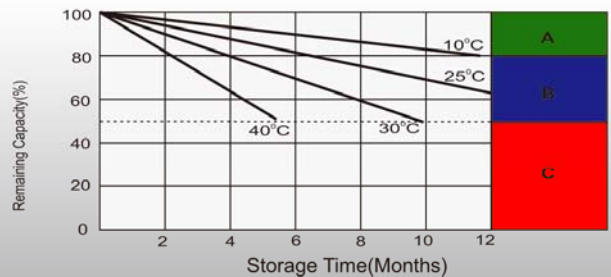
## Effect of Temperature on Long Term Float Life



## Cycle Life in Relation to Depth of Discharge



## 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.