



# QUANZHOU SINGLANG ELECTRIC TECHNOLOGY CO., LTD.

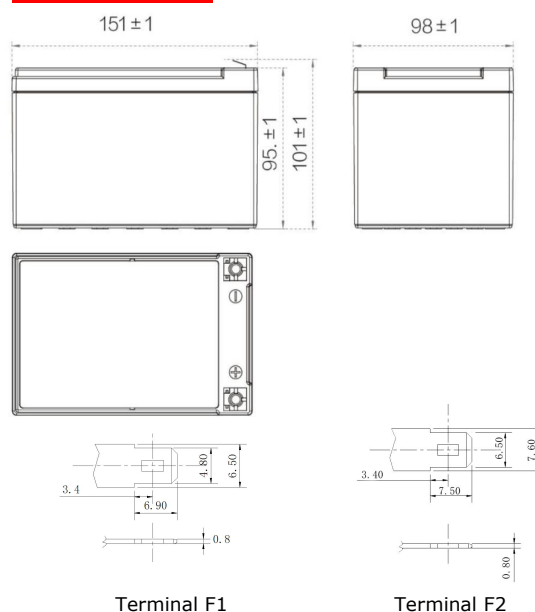
## STANDBY SERIES SN12010(12V10AH/20HR)

### Specifications

Nominal Voltage	12V	
Nominal Capacity(20hr)	10AH	
Dimension	Length	151±2mm(5.94inch)
	Width	98±2mm(3.86inch)
	Height	95±2mm(3.70inch)
	Total Height	101±2mm(3.98inch)
Approx Weight	Approx. 3.05kg(+3%)	
Terminal Type	F1/F2	
container Material	ABS(UL-94HB)	
Internal Resistance	Approx.18mΩ	
Rated Capacity	10.0AH	(20hr, 1.70V/cell,25°C/77°F)
	9.5AH	(10hr, 1.75V/cell,25°C/77°F)
	8.5AH	(5hr, 1.75V/cell,25°C/77°F)
	7.8AH	(3hr, 1.70V/cell,25°C/77°F)
	6.0AH	(1hr, 1.60V/cell,25°C/77°F)
Max. Discharge Current	200A(5S)	
Nominal Operating Temp. Range	25±3°C (77±5°F)	
Cycle Use	Charge Current Less Than 0.25CA	
	14.1V~14.7V@25°C(77°F)Temp. Coefficient -30mV/°C	
Floating Use	13.5V~13.8V@25°C(77°F)Temp. Coefficient -20mV/°C	
Capacity affected by Temperature	40°C	103%
	25°C	100%
	0°C	86%
	-15°C	65%
Self-discharge	3 month	Remaining capacity: 91%
	6 month	Remaining capacity:82%
	12month	Remaining capacity:65%



### Dimensions



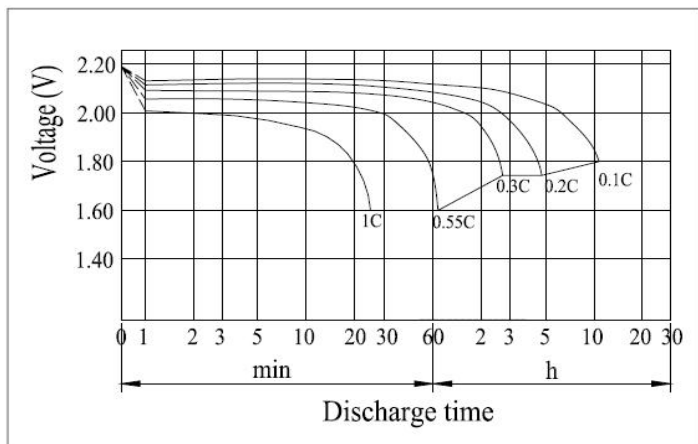
Constant Power Discharge at 25°C(77°F)												
F.V/Time	5min	10min	15min	30min	1h	2h	3h	4h	5h	6h	10h	20h
1.80V/cell	63.2	43.6	30.2	18.7	11.0	6.45	4.90	3.90	3.24	2.77	1.81	0.95
1.75V/cell	64.3	44.4	30.8	19.1	11.2	6.57	5.00	3.97	3.30	2.82	1.84	0.97
1.70V/cell	66.3	45.7	32.6	19.8	11.4	6.69	5.09	4.04	3.36	2.87	1.88	0.99
1.67V/cell	68.2	47.1	35.4	20.9	11.6	6.75	5.15	4.08	3.39	2.90	1.89	1.00
1.60V/cell	70.1	48.4	37.2	21.8	11.7	6.83	5.19	4.13	3.43	2.93	1.91	1.01

Constant Current Discharge at 25°C(77°F)												
F.V/Time	5min	10min	15min	30min	1h	2h	3h	4h	5h	6h	10h	20h
1.80V/cell	32.4	22.3	15.5	9.6	5.65	3.30	2.51	2.00	1.66	1.42	0.93	0.49
1.75V/cell	33.0	22.7	15.7	9.8	5.76	3.37	2.56	2.03	1.69	1.44	0.94	0.50
1.70V/cell	33.9	23.4	16.7	10.2	5.86	3.42	2.60	2.32	2.07	1.47	0.96	0.51
1.67V/cell	34.9	24.1	18.1	10.7	5.93	3.46	2.64	2.09	2.09	1.49	0.97	0.51
1.60V/cell	35.9	24.8	19.1	11.2	5.98	3.50	2.66	2.12	2.12	1.50	0.98	0.52

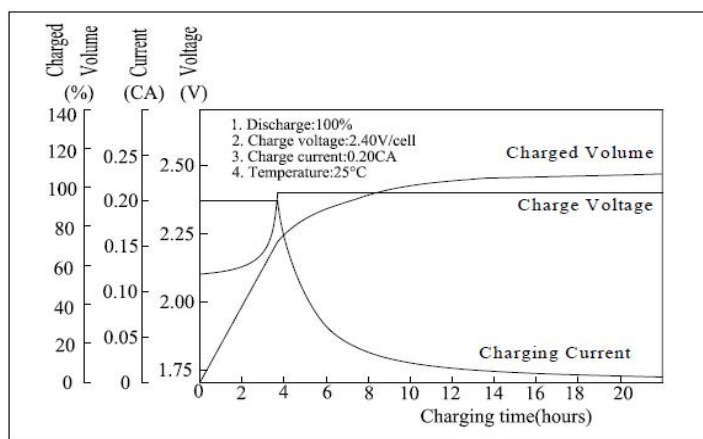
Quanzhou Singlang Electric Technology Co., Ltd

[www.xnb-battery.com](http://www.xnb-battery.com)

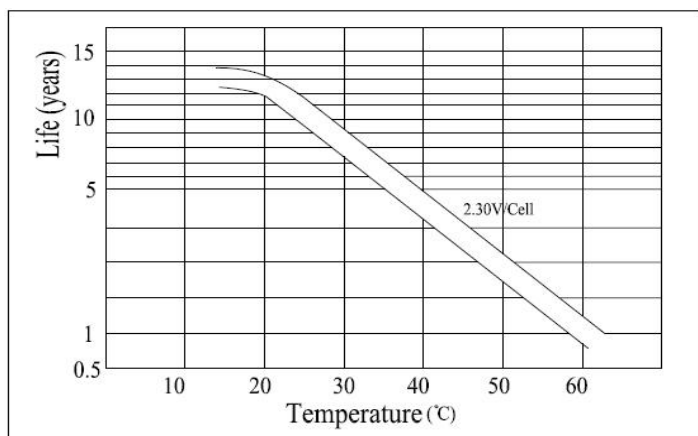
**Discharge Characteristics**



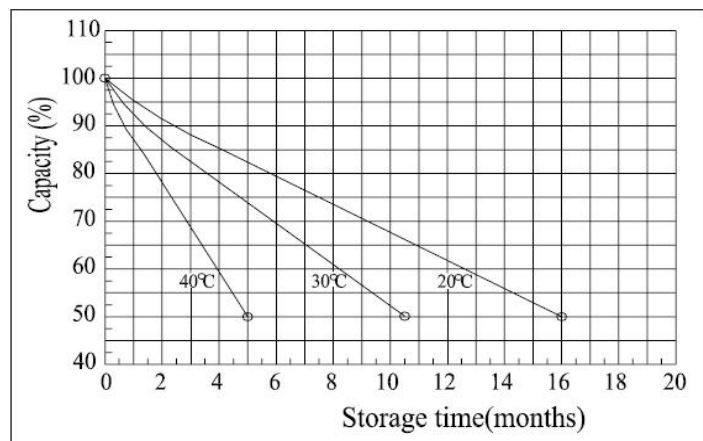
**Float Charging Characteristics**



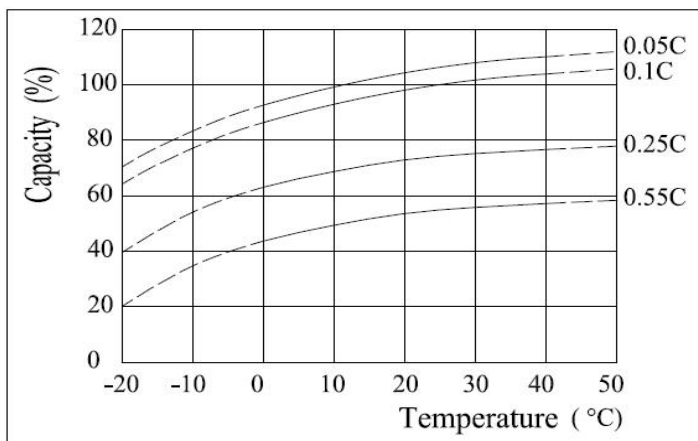
**Floating Life on Temperature**



**Self Discharge Characteristics ( 25°C(77°F) )**



**Temperature Effects in Relation to Battery Capacity**



**Cycle Life Relation to Depth of Discharge**

