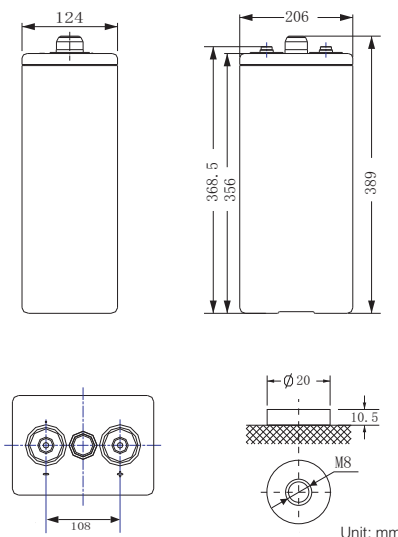


## Specifications

Rated Voltage	2V		
Nominal Capacity(C <sub>10</sub> , 1.80V/cell)	250Ah		
Dimension	Length	124 ± 2mm	
	Width	206 ± 2mm	
	Container Height	356 ± 2mm	
	Total Height	389 ± 2mm	
Approx Weight	22.5kg		
Terminal	M8		
Container Material	ABS		
Rated Capacity(25°C)	250Ah	C10(25A, 1.80V/cell)	
	212.5Ah	C5(42,5A, 1.80V/cell)	
	187.5Ah	C3(62,5A, 1.80V/cell)	
	125Ah	C1(125A, 1.80V/cell)	
Max. Discharge Current	1250A (5s)		
Internal Resistance(25°C)	Approx 0.72mΩ		
Operating Temp. Range	Discharge	-15~50°C	
	Charge	-15~50°C	
	Storage	-20~40°C	
Nominal Operating Temp. Range	25 ± 5°C (77 ± °F)		
Max. Charging Current(25°C)	62.5A		
Charge voltage(25°C)	Float	Charge voltage	Temp. Coefficient
		Equalization	-3mv/cell/°C
		Cycle	-4mv/cell/°C
			-5mv/cell/°C
Effect of temp. to Capacity	40°C (104 °F)	105%	
	25°C (77 °F)	100%	
	0°C (32 °F)	85%	
Self Discharge	≤ 3%/month@25°C		



## Layout



## General Features

- 20 years design life (25°C)
- adopt tubular plate with GEL technology
- Gas phase SiO<sub>2</sub> colloidal battery technology
- PF/PVC-SiO<sub>2</sub> separator
- ABS material battery case
- Widely used in communication systems, military fields, power systems, broadcasting and television systems, etc

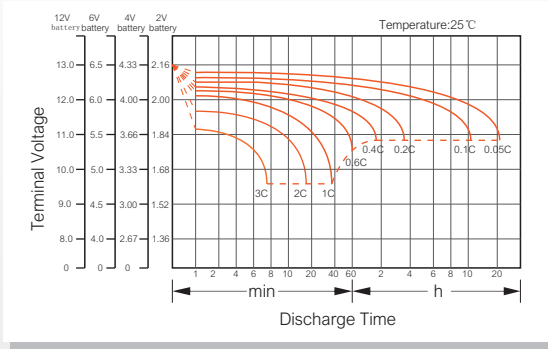
## Constant Current Discharge (A)25°C

F.V/Time	15min	30min	1h	2h	3h	4h	5h	6h	8h	10h
1.60V	260	204	149	93	67	53	45.2	39.7	32.1	26.2
1.65V	245	194	140	90	66	52	44.7	39.2	31.8	26.1
1.70V	231	186	137	88	64	52	44.1	38.6	31.4	26.0
1.75V	217	176	129	85	63	51	43.3	37.9	30.8	25.6
1.80V	202	165	125	83	62	50		36.9	30.1	25.0
1.85V	186	150	115	78	59	48	41.0	35.6	29.2	24.5

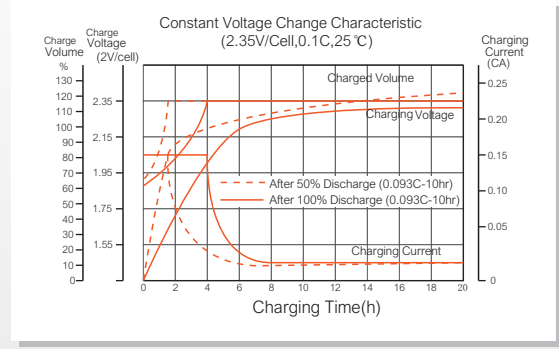
## Constant Power Discharge (W/cell)25°C

F.V/Time	15min	30min	1h	2h	3h	4h	5h	6h	8h	10h
1.60V	448	359	271	173	126	100.9	85.8	75.6	61.3	50.2
1.65V	428	340	255	170	124	98.9	85.0	74.9	60.9	50.1
1.70V	405	327	251	166	123	98.6	84.2	73.9	60.4	50.0
1.75V	382	313	240	162	121	97.1	83.0	72.8	59.4	49.5
1.80V	361	301	230	158	119	95.2	81.4	71.0	58.0	48.1
1.85V	335	277	219	150	115	93.7	79.7	69.4	56.9	47.9

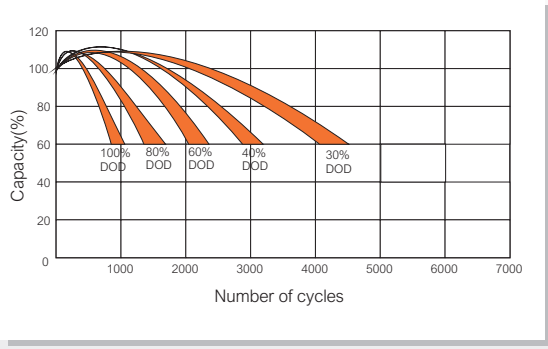
### Dicharge Characteristics Curve



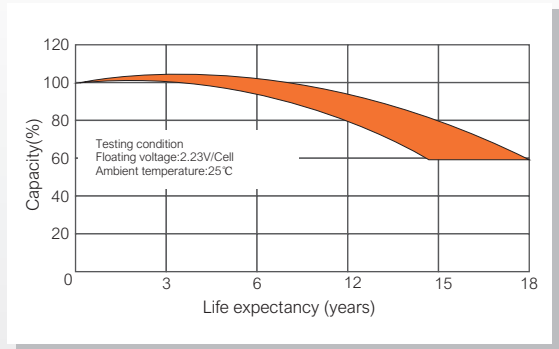
### Charging Characteristics Curve



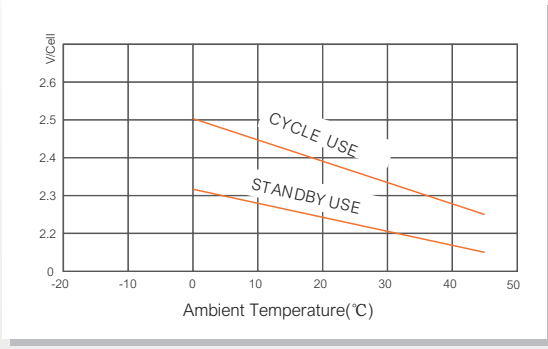
### Cycle life of Different DOD



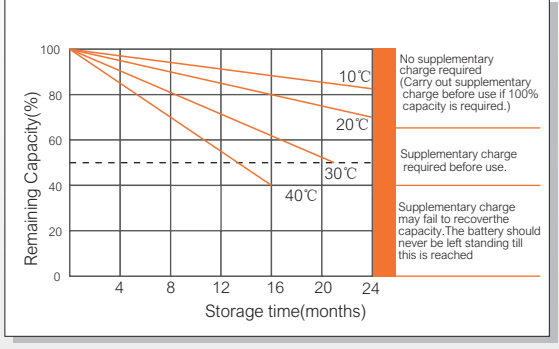
### Float charging service life Curve



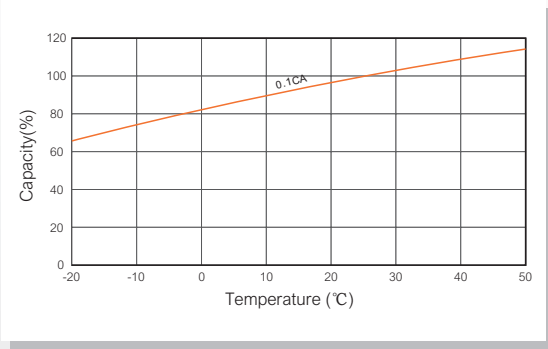
### Charging voltage and temperature relationship



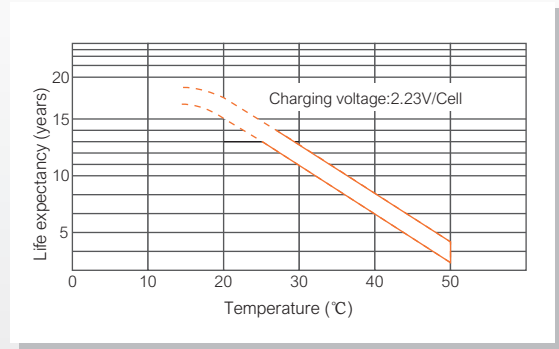
### Self-discharge Characteristics



### Temperature Effects in Relation to Battery Capacity



### Temperature Effects on Long Term Float Life



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