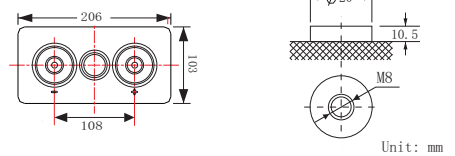
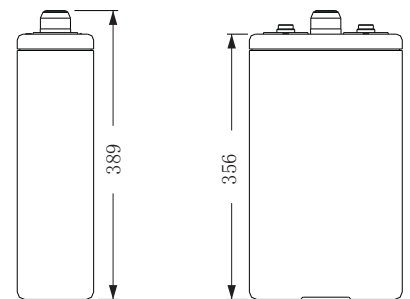


## Specifications

Rated Voltage	2V		
Nominal Capacity(C <sub>10</sub> , 1.80V/cell)	150Ah		
Dimension	Length	103 ± 2mm	
	Width	206 ± 2mm	
	Container Height	356 ± 2mm	
	Total Height	389 ± 2mm	
Approx Weight	15.0kg		
Terminal	M8		
Container Material	ABS		
Rated Capacity(25 °C)	150Ah	C10(15A, 1.80V/cell)	
	127.5Ah	C5(25,5A, 1.80V/cell)	
	112.5Ah	C3(37,5A, 1.80V/cell)	
	75Ah	C1(75A, 1.80V/cell)	
Max. Discharge Current	750A (5s)		
Internal Resistance(25 °C)	Approx 0.95mΩ		
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)	37.5A		
Charge voltage(25 °C)	Float	Charge voltage	Temp. Coefficient
		Equalization	-3mv/cell/°C
		Cycle	-4mv/cell/°C
	40 °C (104 °F)	105%	
Effect of temp. to Capacity	25 °C (77 °F)	100%	
	0 °C (32 °F)	85%	
Self Discharge	≤ 3%/month@25 °C		



## Layout



Unit: mm

## 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

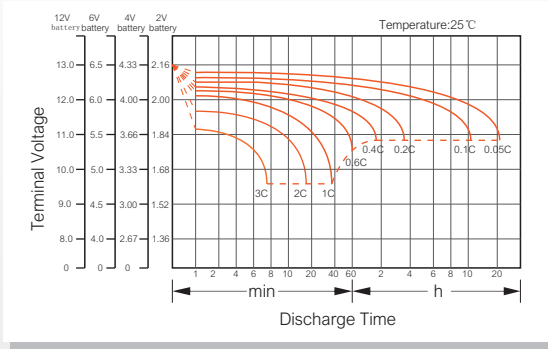
## Constant Current Discharge (A)25 °C

F.V/Time	15min	30min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.60V	157.5	123.8	90.0	56.3	40.5	32.3	27.4	24.1	19.4	15.9	8.22
1.65V	148.5	117.8	84.8	54.8	39.8	31.5	27.1	23.8	19.3	15.8	8.16
1.70V	140.3	112.5	83.3	53.3	39.0	31.4	26.7	23.4	19.1	15.8	8.10
1.75V	131.3	106.5	78.0	51.8	38.3	30.8	26.3	23.0	18.7	15.5	8.04
<b>1.80V</b>	<b>122.3</b>	<b>99.8</b>	75.0	50.3	37.5	30.0	25.7	22.4	18.2	15.1	7.80
1.85V	112.5	90.8	69.8	47.3	36.0	29.3	24.8	21.6	17.7	14.9	7.68
1.90V	96.0	76.5	58.5	42.0	32.3	27.0	23.1	20.0	16.1	13.4	6.90

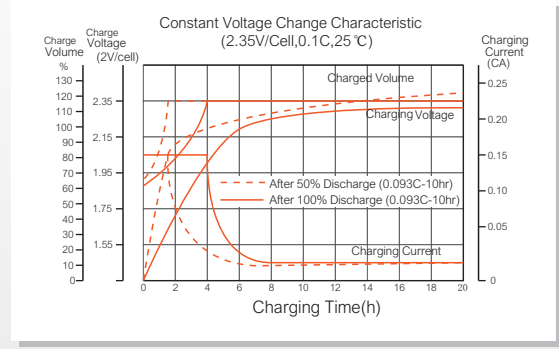
## Constant Power Discharge (W/cell)25 °C

F.V/Time	15min	30min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.60V	271.5	217.5	164.3	105.0	76.5	61.1	52.0	45.8	37.1	30.5	15.78
1.65V	259.5	206.3	154.5	102.8	75.4	59.9	51.5	45.4	36.9	30.4	15.72
1.70V	245.3	198.0	152.3	100.5	74.3	59.8	51.0	44.8	36.6	30.3	15.66
1.75V	231.8	189.8	145.5	98.3	73.1	58.9	50.3	44.1	36.0	30.0	15.60
1.80V	219.0	182.3	139.5	96.0	72.0	57.7	49.4	43.1	35.2	29.2	15.18
1.85V	203.3	168.0	132.8	90.8	69.8	56.8	48.3	42.1	34.5	29.0	15.06
1.90V	175.5	143.3	112.5	81.5	63.0	52.9	45.3	39.2	31.5	26.3	13.68

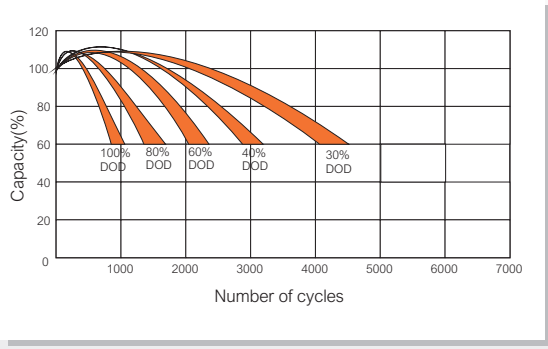
### Dicharge Characteristics Curve



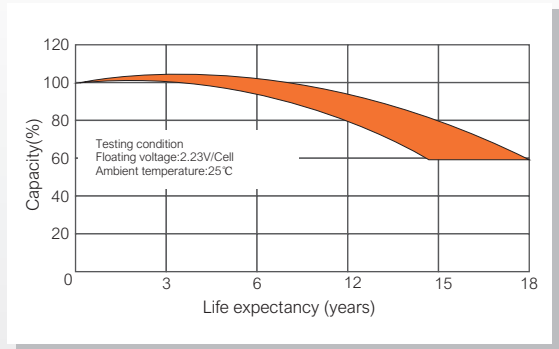
### Charging Characteristics Curve



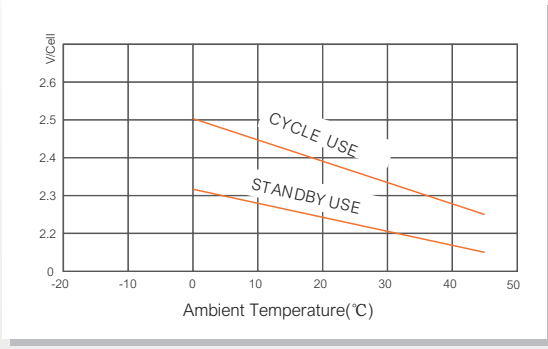
### Cycle life of Different DOD



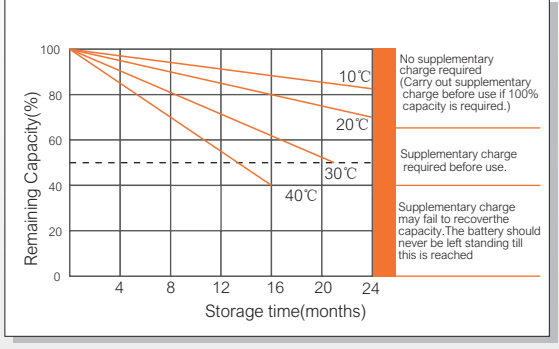
### Float charging service life Curve



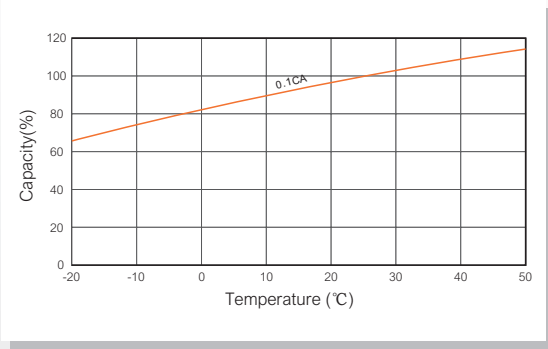
### Charging voltage and temperature relationship



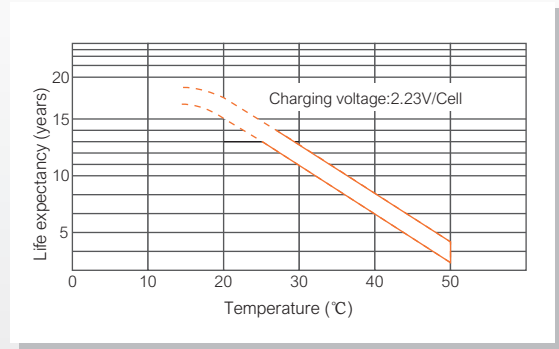
### Self-discharge Characteristics



### Temperature Effects in Relation to Battery Capacity



### Temperature Effects on Long Term Float Life



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