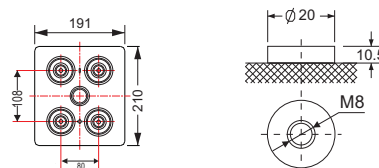
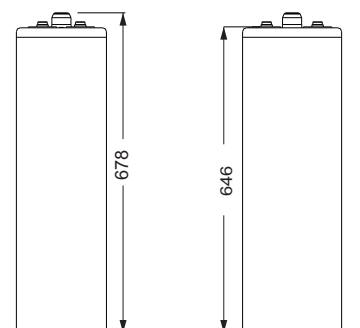


## Specifications

Rated Voltage	2V		
Nominal Capacity(C <sub>10</sub> , 1.80V/cell)	800Ah		
Dimension	Length	191 ± 2mm	
	Width	210 ± 2mm	
	Container Height	646 ± 2mm	
	Total Height	678 ± 2mm	
Approx Weight	63.0kg		
Terminal	M8		
Container Material	ABS		
Rated Capacity(25 °C)	800Ah	C10(80A, 1.80V/cell)	
	680Ah	C5(136A, 1.80V/cell)	
	600Ah	C3(200A, 1.80V/cell)	
	400Ah	C1(400A, 1.80V/cell)	
Max. Discharge Current	4000A (5s)		
Internal Resistance(25 °C)	Approx 0.40mΩ		
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)	200A		
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



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

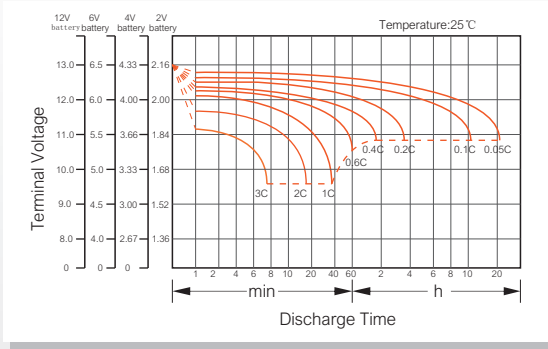
## Constant Current Discharge (A)25 °C

F.V/Time	15min	30min	1h	2h	3h	4h	5h	6h	8h	10h
1.60V	832	653	475	297	214	170	144.5	127.1	102.6	84.0
1.65V	784	622	447	289	210	166	143.0	125.5	101.8	83.6
1.70V	741	594	440	281	206	166	141.0	123.6	100.6	83.2
1.75V	693	562	412	273	202	162	138.6	121.2	98.6	82.0
1.80V	645	527	400	265	200	158	136.0	118.0	96.2	80.0
1.85V	594	479	368	249	190	154	131.1	114.0	93.5	78.4

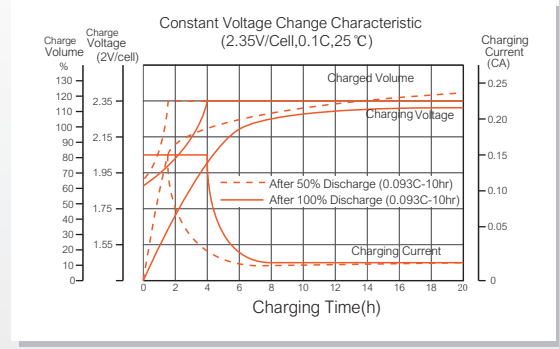
## Constant Power Discharge (W/cell)25 °C

F.V/Time	15min	30min	1h	2h	3h	4h	5h	6h	8h	10h
1.60V	1434	1148	867	554	404	322.7	274.4	242.0	196.0	160.8
1.65V	1370	1089	816	543	398	316.4	272.1	239.6	194.8	160.4
1.70V	1295	1045	804	531	392	315.6	269.3	236.4	193.2	160.0
1.75V	1224	1002	768	519	386	310.9	265.7	232.8	190.1	158.4
1.80V	1156	962	737	507	380	304.5	260.6	227.3	185.7	154.0
1.85V	1073	887	701	479	368	299.8	255.0	222.2	182.2	153.3

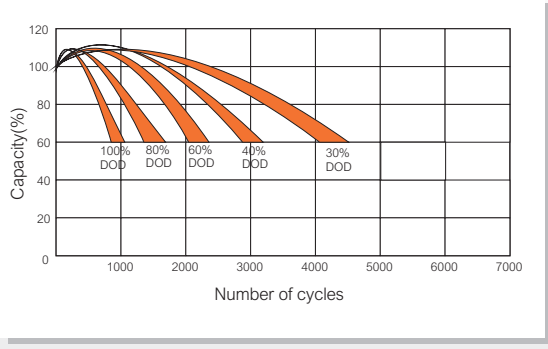
### Dicharge Characteristics Curve



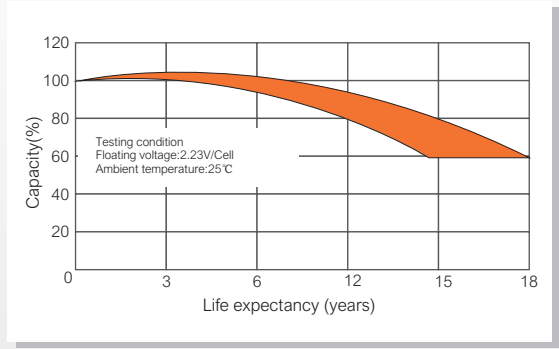
### Charging Characteristics Curve



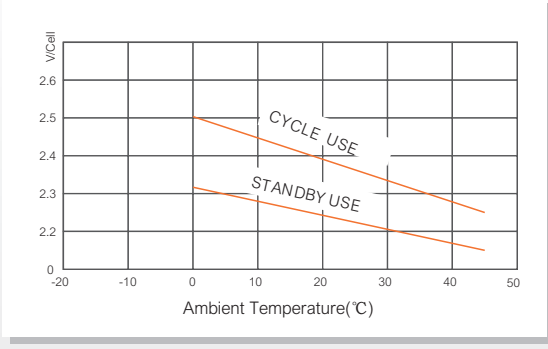
### Cycle life of Different DOD



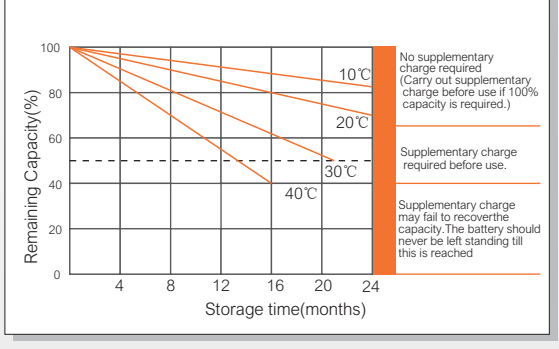
### Float charging service life Curve



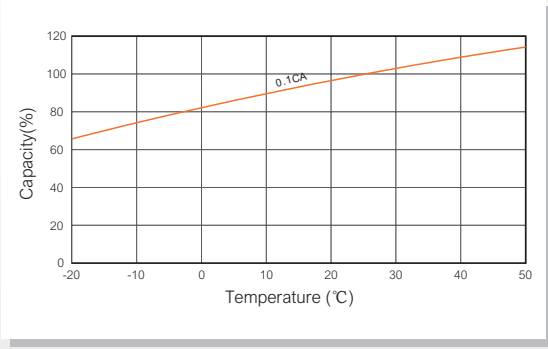
### Charging voltage and temperature relationship



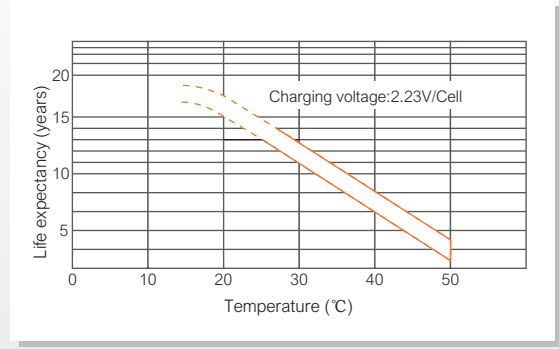
### Self-discharge Characteristics



### Temperature Effects in Relation to Battery Capacity



### Temperature Effects on Long Term Float Life



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