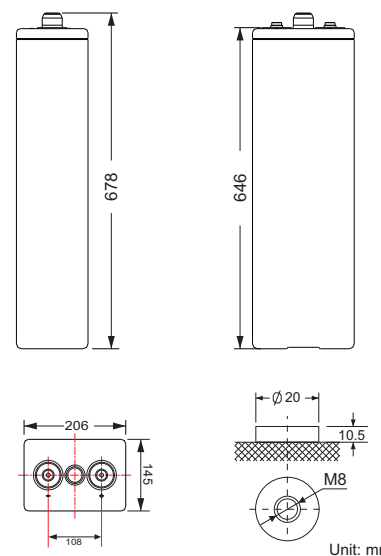


Specifications

Rated Voltage	2V		
Nominal Capacity(C ₁₀ , 1.80V/cell)	600Ah		
Dimension	Length	145 ± 2mm	
	Width	206 ± 2mm	
	Container Height	646 ± 2mm	
	Total Height	678 ± 2mm	
Approx Weight	47.0kg		
Terminal	M8		
Container Material	ABS		
Rated Capacity(25 °C)	600Ah	C10(60A, 1.80V/cell)	
	510Ah	C5(102A, 1.80V/cell)	
	450Ah	C3(150A, 1.80V/cell)	
	300Ah	C1(300A, 1.80V/cell)	
Max. Discharge Current	3000A (5s)		
Internal Resistance(25 °C)	Approx 0.42mΩ		
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)	150A		
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 SiO₂ colloidal battery technology
- PF/PVC-SiO₂ separator
- ABS material battery case
- Widely used in communication systems, military fields, power systems, broadcasting and television systems, etc

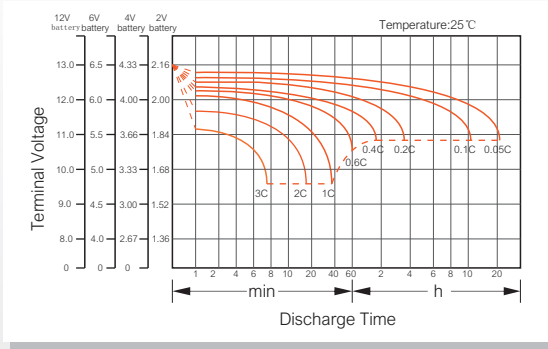
Constant Current Discharge (A)25 °C

F.V/Time	15min	30min	1h	2h	3h	4h	5h	6h	8h	10h
1.60V	624	490	356	223	160	128	108	95.3	76.9	63.0
1.65V	588	466	336	217	157	125	107	94.1	76.3	62.7
1.70V	555	446	330	211	154	124	106	92.7	75.4	62.4
1.75V	520	422	309	205	151	122	104	90.9	74.0	61.5
1.80V	484	395	300	199	150	119	102	88.5	72.2	60.0
1.85V	446	359	276	187	143	116	98.0	85.5	70.1	58.8

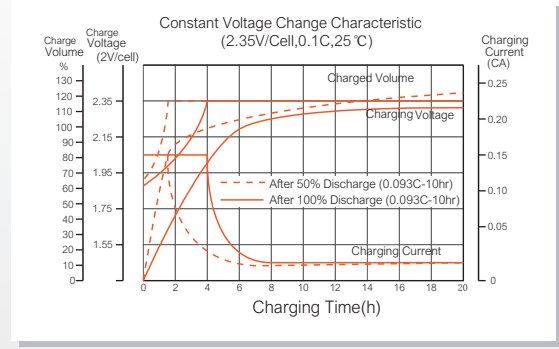
Constant Power Discharge (W/cell)25 °C

F.V/Time	15min	30min	1h	2h	3h	4h	5h	6h	8h	10h
1.60V	1075	861	650	416	303	242	205.8	181.5	147.0	120.6
1.65V	1028	817	612	407	298	237	204.0	179.7	146.0	120.3
1.70V	971	784	603	398	294	236	202.0	177.3	145.0	120.0
1.75V	918	751	576	389	290	233	199.3	174.6	142.6	118.8
1.80V	867	722	552	380	285	228	195.4	170.5	139.3	115.5
1.85V	805	665	526	359	276	225	191.3	166.6	136.6	114.9

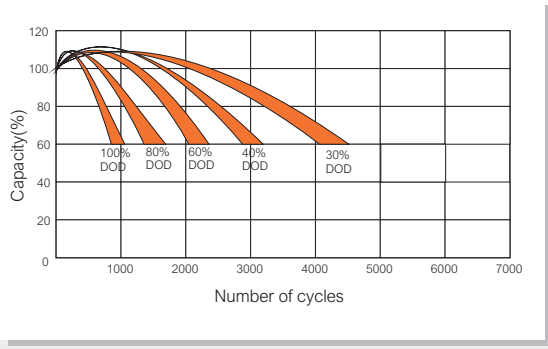
Dicharge Characteristics Curve



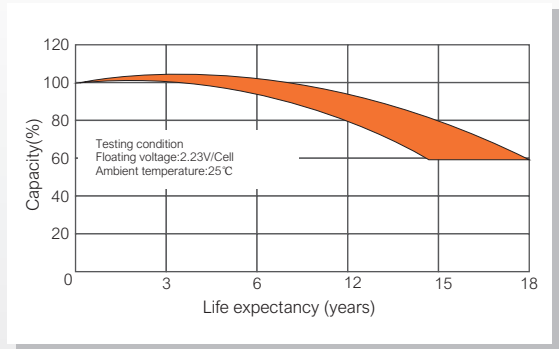
Charging Characteristics Curve



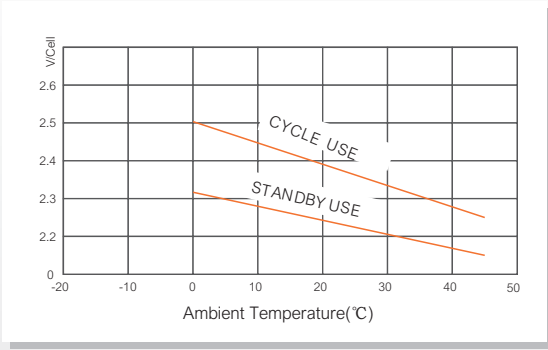
Cycle life of Different DOD



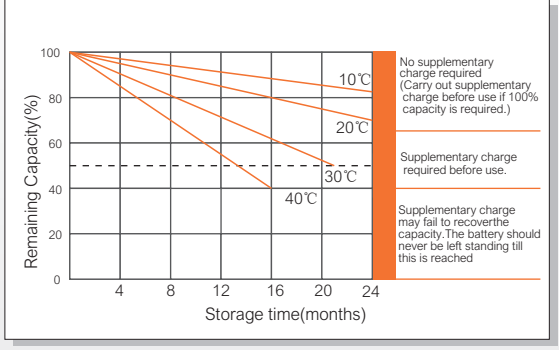
Float charging service life Curve



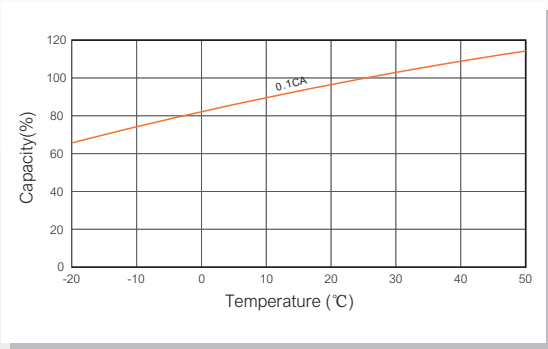
Charging voltage and temperature relationship



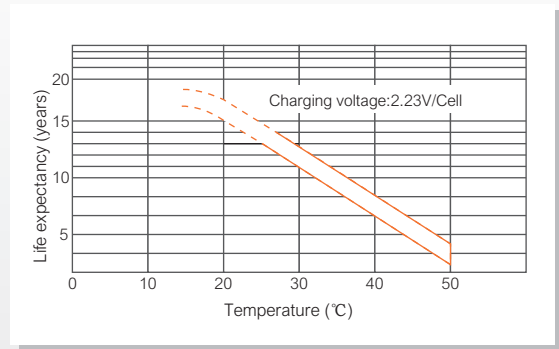
Self-discharge Characteristics



Temperature Effects in Relation to Battery Capacity



Temperature Effects on Long Term Float Life



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