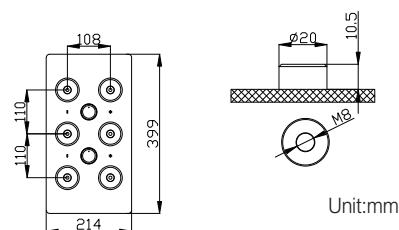
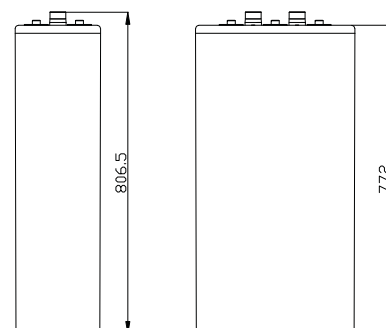


Specifications

Rated Voltage	2V		
Nominal Capacity(C ₁₀ , 1.80V/cell)	2000Ah		
Dimension	Length	399 ± 2mm	
	Width	214 ± 2mm	
	Container Height	772 ± 2mm	
	Total Height	807 ± 2mm	
Approx Weight	150.0kg		
Terminal	M8		
Container Material	ABS		
Rated Capacity(25 °C)	2000Ah	C10(200A, 1.80V/cell)	
	1700Ah	C5(340A, 1.80V/cell)	
	1500Ah	C3(500A, 1.80V/cell)	
	1000Ah	C1(1000A, 1.80V/cell)	
Max. Discharge Current	10000A (5s)		
Internal Resistance(25°C)	Approx 0.32mΩ		
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)	500A		
Charge voltage(25°C)	Float	Charge voltage	Temp. Coefficient
	Equalization	2.23~2.25/cell	-3mv/cell/°C
	Cycle	2.30~2.40/cell	-4mv/cell/°C
		2.35~2.45/cell	-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

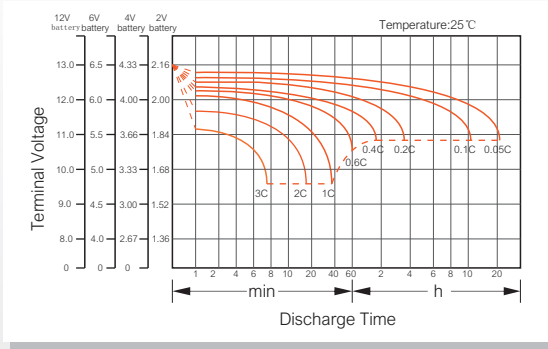
Constant Current Discharge (A)25°C

F.V/Time	15min	30min	1h	2h	3h	4h	5h	6h	8h	10h
1.60V	2100	1650	1200	750	540	430	365	321	259	212
1.65V	1980	1570	1130	730	530	420	360	317	257	211
1.70V	1870	1500	1110	710	520	418	356	312	254	210
1.75V	1750	1420	1040	690	510	410	350	306	249	207
1.80V	1630	1330	1000	670	500	400	340	298	243	201
1.85V	1500	1210	930	630	480	390	330	288	236	198

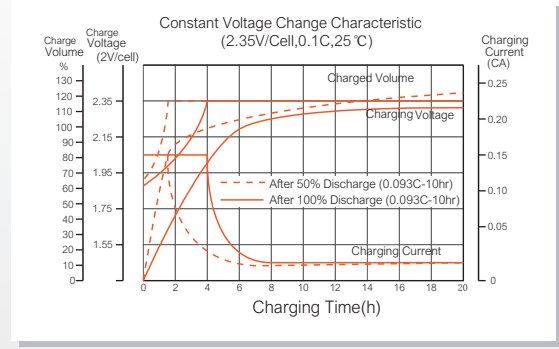
Constant Power Discharge (W/cell)25°C

F.V/Time	15min	30min	1h	2h	3h	4h	5h	6h	8h	10h
1.60V	3620	2900	2190	1400	1020	815	693	611	495	406
1.65V	3460	2750	2060	1370	1005	799	687	605	492	405
1.70V	3270	2650	2030	1340	990	797	680	597	488	404
1.75V	3090	2540	1940	1310	975	785	671	588	480	400
1.80V	2920	2430	1860	1280	960	769	658	574	469	389
1.85V	2710	2240	1770	1210	930	757	644	561	460	387

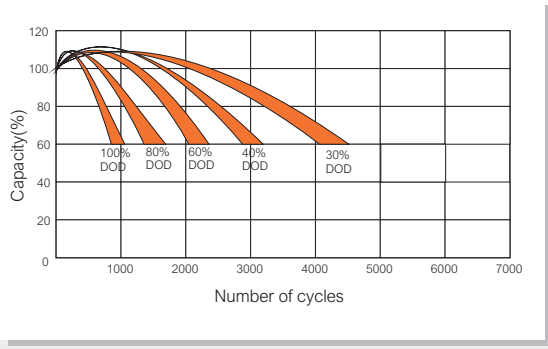
Dicharge Characteristics Curve



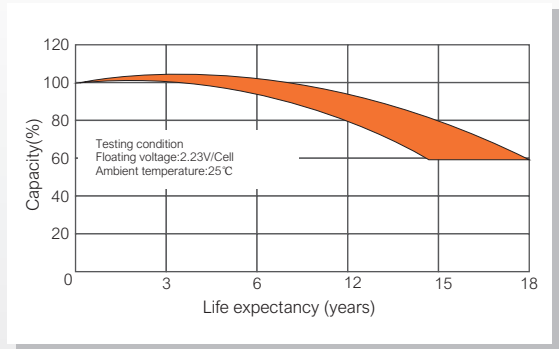
Charging Characteristics Curve



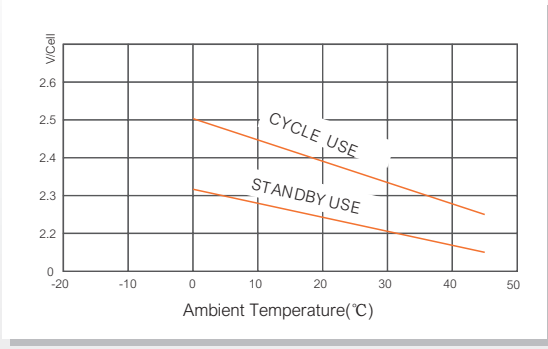
Cycle life of Different DOD



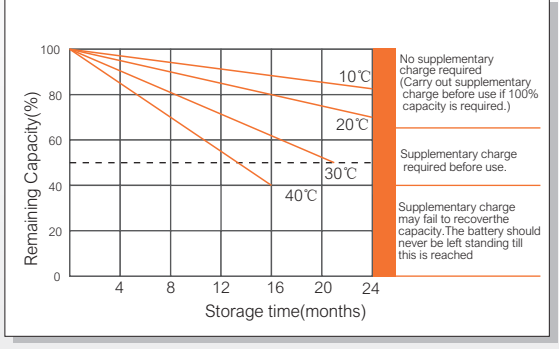
Float charging service life Curve



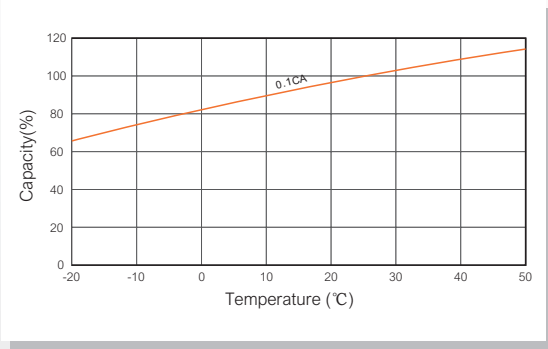
Charging voltage and temperature relationship



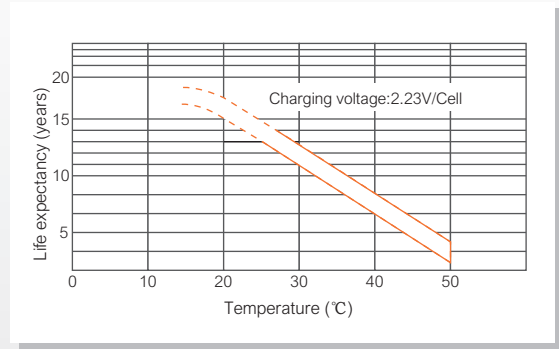
Self-discharge Characteristics



Temperature Effects in Relation to Battery Capacity



Temperature Effects on Long Term Float Life



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