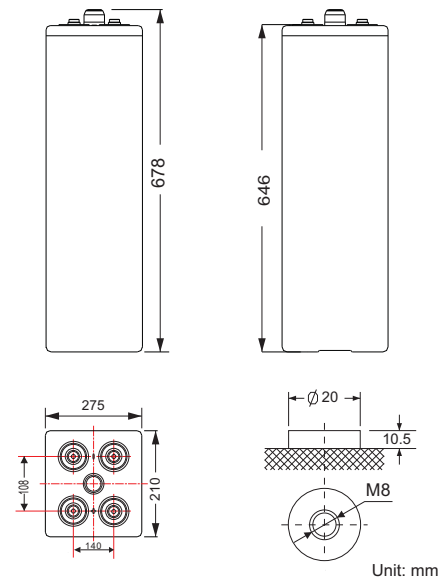


Specifications

Rated Voltage	2V		
Nominal Capacity(C ₁₀ , 1.80V/cell)	1200Ah		
Dimension	Length	275 ± 2mm	
	Width	210 ± 2mm	
	Container Height	646 ± 2mm	
	Total Height	678 ± 2mm	
Approx Weight	91.0kg		
Terminal	M8		
Container Material	ABS		
Rated Capacity(25 °C)	1200Ah	C10(120A, 1.80V/cell)	
	1020Ah	C5(204A, 1.80V/cell)	
	900Ah	C3(300A, 1.80V/cell)	
	600Ah	C1(600A, 1.80V/cell)	
Max. Discharge Current	6000A (5s)		
Internal Resistance(25 °C)	Approx 0.35mΩ		
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)	300A		
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

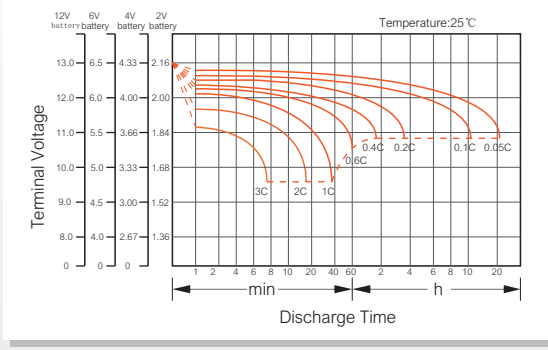
Constant Current Discharge (A)25 °C

F.V/Time	15min	30min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.60V	1247	980	713	446	321	255	216.8	190.7	153.8	125.9	64.4
1.65V	1176	933	671	434	315	249	214.4	188.3	152.7	125.3	64.0
1.70V	1111	891	659	422	309	248	211.5	185.3	150.9	124.7	63.5
1.75V	1040	843	618	410	303	244	207.9	181.8	147.9	123.0	63.0
1.80V	968	790	600	398	300	238	204.0	177.0	144.3	120.0	61.2
1.85V	891	719	552	374	285	232	196.6	171.1	140.2	117.6	60.2

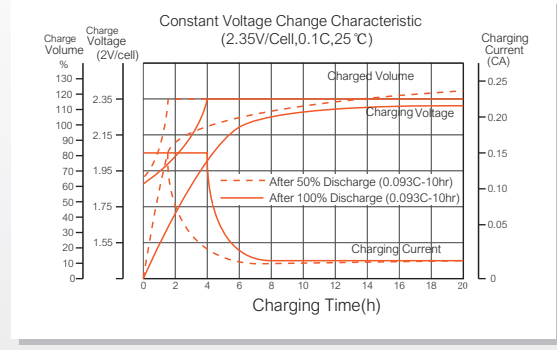
Constant Power Discharge (W/cell)25 °C

F.V/Time	15min	30min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.60V	2150	1723	1301	832	606	484.1	411.6	362.9	294.0	241.2	123.7
1.65V	2055	1634	1224	814	597	474.6	408.1	359.4	292.2	240.6	123.2
1.70V	1942	1568	1206	796	588	473.4	403.9	354.6	289.9	240.0	122.8
1.75V	1835	1503	1152	778	579	466.3	398.6	349.3	285.1	237.6	122.3
1.80V	1734	1443	1105	760	570	456.8	390.9	341.0	278.6	231.1	119.0

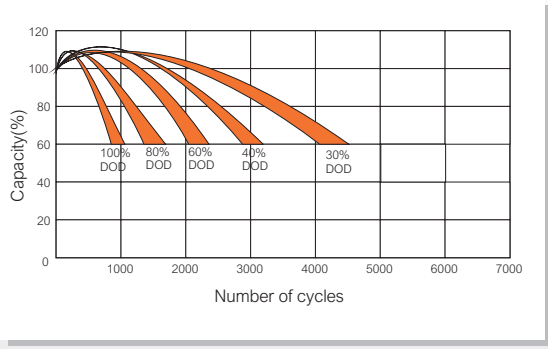
Dicharge Characteristics Curve



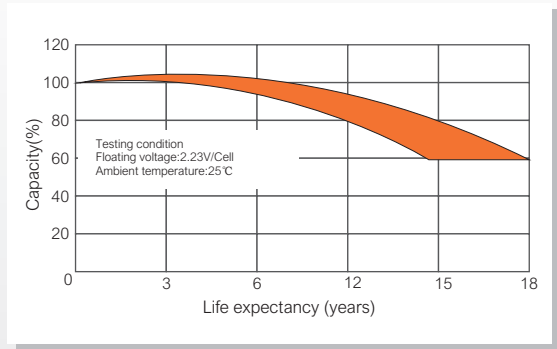
Charging Characteristics Curve



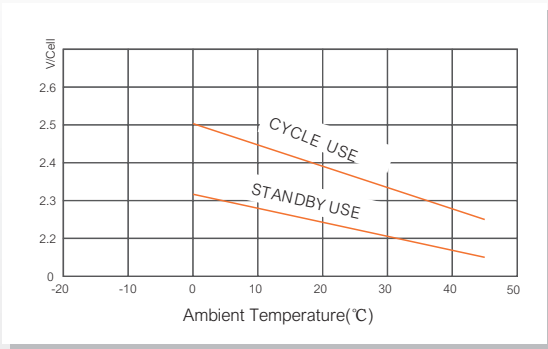
Cycle life of Different DOD



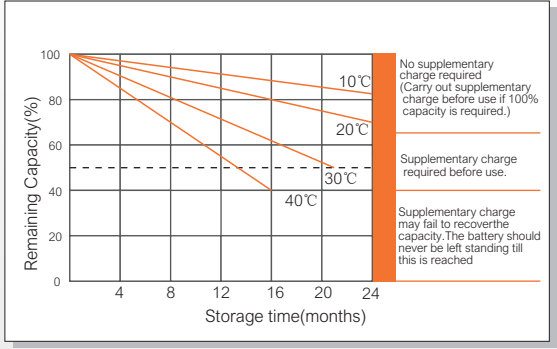
Float charging service life Curve



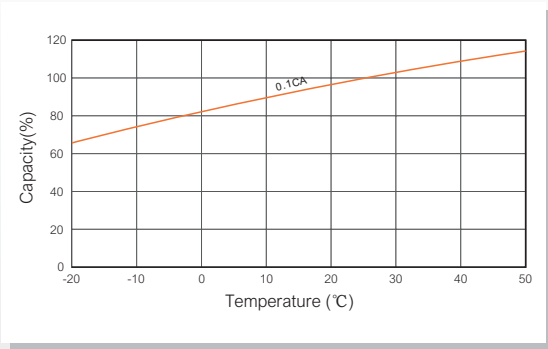
Charging voltage and temperature relationship



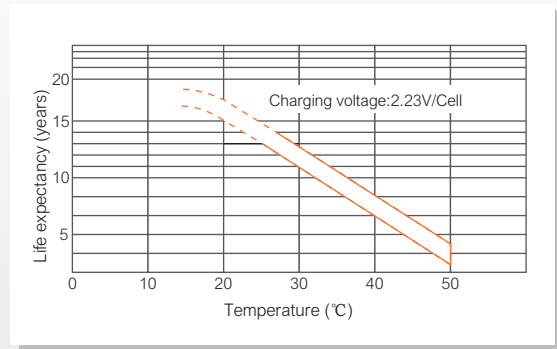
Self-discharge Characteristics



Temperature Effects in Relation to Battery Capacity



Temperature Effects on Long Term Float Life



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