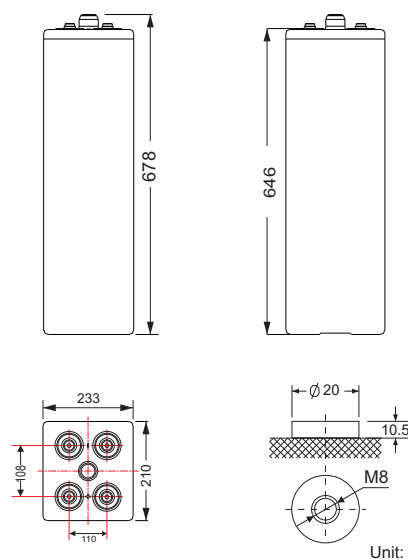


Specifications

Rated Voltage	2V		
Nominal Capacity(C ₁₀ , 1.80V/cell)	1000Ah		
Dimension	Length	233 ± 2mm	
	Width	210 ± 2mm	
	Container Height	646 ± 2mm	
	Total Height	678 ± 2mm	
Approx Weight	77.5kg		
Terminal	M8		
Container Material	ABS		
Rated Capacity(25 °C)	1000Ah	C10(100A,1.80V/cell)	
	850Ah	C5(170A,1.80V/cell)	
	750Ah	C3(250A,1.80V/cell)	
	500Ah	C1(500A,1.80V/cell)	
Max.Discharge Current	5000A (5s)		
Internal Resistance(25°C)	Approx 0.38mΩ		
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)	250A		
Charge voltage(25°C)	Float	2.23~2.25/cell	Temp. Coefficient -3mv/cell/°C
	Equalization	2.30~2.40/cell	-4mv/cell/°C
	Cycle	2.35~2.45/cell	-5mv/cell/°C
		40°C (104 °F)	
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 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

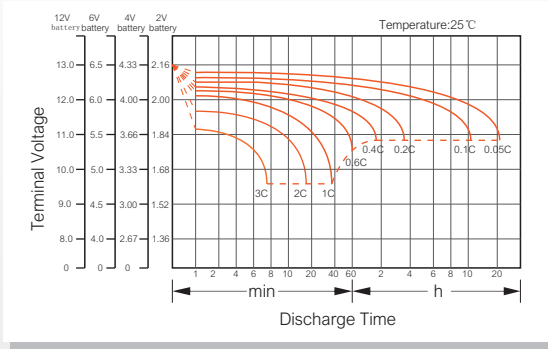
Constant Current Discharge (A)25°C

F.V/Time	15min	30min	1h	2h	3h	4h	5h	6h	8h	10h
1.60V	1040	817	594	371	267	213	180.7	158.9	128.2	104.9
1.65V	980	777	559	361	262	208	178.7	156.9	127.2	104.4
1.70V	926	743	549	351	257	207	176.2	154.4	125.7	104.0
1.75V	866	703	515	342	252	203	173.3	151.5	123.3	102.5
1.80V	807	658	500	332	250	198	170.0	147.5	120.3	100.0
1.85V	743	599	460	312	238	193	164.0	142.6	116.8	98.0

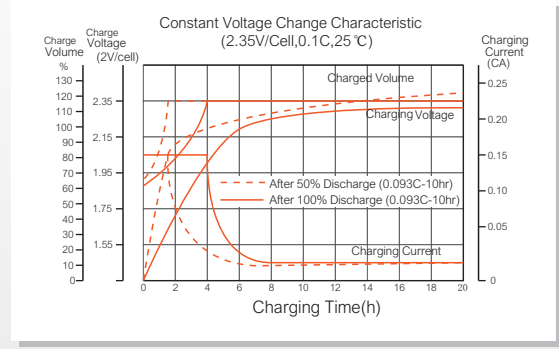
Constant Power Discharge (W/cell)25°C

F.V/Time	15min	30min	1h	2h	3h	4h	5h	6h	8h	10h
1.60V	1792	1436	1084	693	505	403.4	343.0	302.4	245.0	201.0
1.65V	1713	1361	1020	678	497	395.5	340.1	299.5	243.5	200.5
1.70V	1619	1307	1005	663	490	394.5	336.6	295.5	241.6	200.0
1.75V	1530	1252	960	648	483	388.6	332.1	291.1	237.6	198.0
1.80V	1445	1203	921	634	475	380.7	325.7	284.1	232.2	192.6
1.85V	1341	1109	876	599	460	374.7	318.8	277.7	227.7	191.6

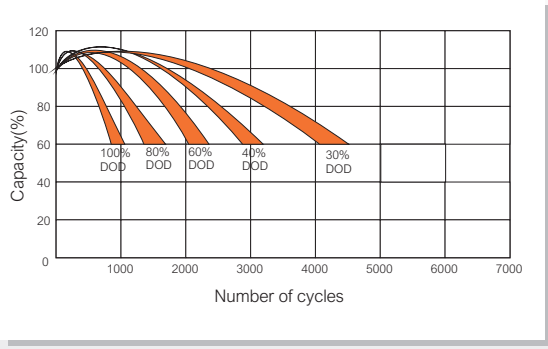
Dicharge Characteristics Curve



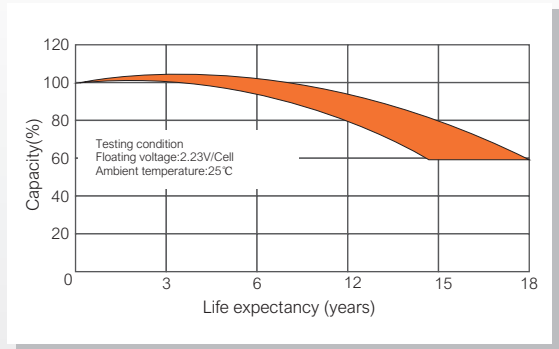
Charging Characteristics Curve



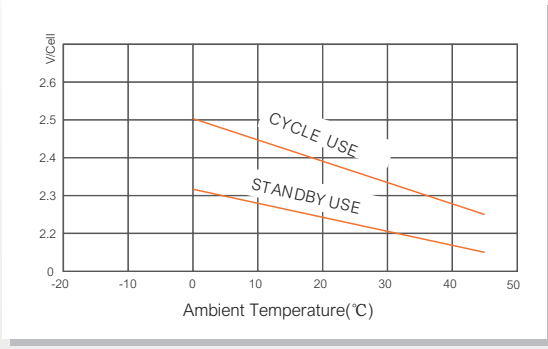
Cycle life of Different DOD



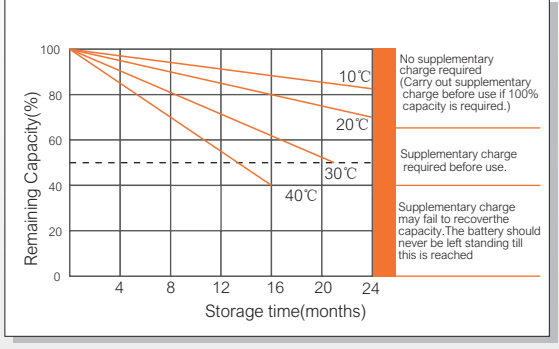
Float charging service life Curve



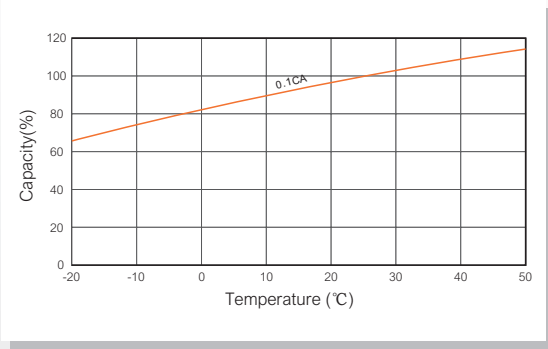
Charging voltage and temperature relationship



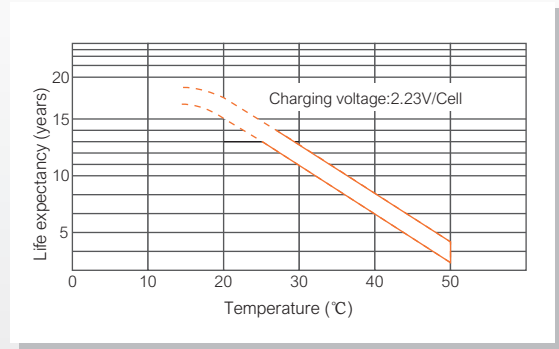
Self-discharge Characteristics



Temperature Effects in Relation to Battery Capacity



Temperature Effects on Long Term Float Life



Kaiying Power Supply & Electrical Equip Co., Ltd

Tel: 0595-68782266 Fax: 0595-68782222

Email: sales@longwaybattery.com

Website: <http://www.longwaybattery.com>

ADD: Laogang Industry Area, Anxi Town, Quanzhou City, Fujian Province.