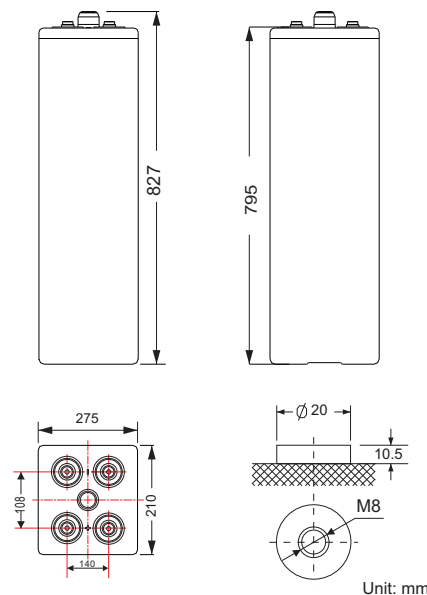


## Specifications

Rated Voltage	2V		
Nominal Capacity(C <sub>10</sub> , 1.80V/cell)	1500Ah		
Dimension	Length	275 ± 2mm	
	Width	210 ± 2mm	
	Container Height	795 ± 2mm	
	Total Height	827 ± 2mm	
Approx Weight	112.0kg		
Terminal	M8		
Container Material	ABS		
Rated Capacity(25 °C)	1500Ah	C10(150A, 1.80V/cell)	
	1275Ah	C5(225A, 1.80V/cell)	
	1125Ah	C3(375A, 1.80V/cell)	
	750Ah	C1(750A, 1.80V/cell)	
Max. Discharge Current	7500A (5s)		
Internal Resistance(25 °C)	Approx 0.33mΩ		
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)	375A		
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 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

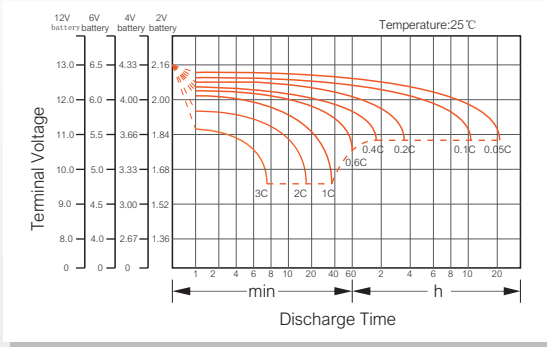
## Constant Current Discharge (A) 25 °C

F.V/Time	15min	30min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.60V	1559	1225	891	557	401	319	271.0	238.3	192.3	157.4	80.6
1.65V	1470	1166	839	542	394	312	268.0	235.4	190.8	156.7	80.0
1.70V	1388	1114	824	527	386	310	264.3	231.7	188.6	155.9	79.4
1.75V	1299	1054	772	512	379	304	259.9	227.2	184.9	153.7	78.8
1.80V	1210	988	750	497	375	297	254.0	221.3	180.4	150.0	76.4
1.85V	1114	898	691	468	356	290	245.8	213.8	175.2	147.0	75.3

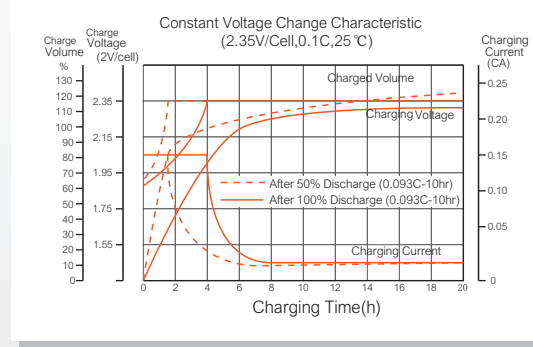
## Constant Power Discharge (W/cell) 25 °C

F.V/Time	15min	30min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.60V	2688	2153	1626	1040	757	605.1	514.6	453.7	367.5	301.5	154.6
1.65V	2569	2042	1530	1017	746	593.3	510.1	449.2	365.3	300.7	154.1
1.70V	2428	1960	1507	995	735	591.8	504.9	443.3	362.3	300.0	153.5
1.75V	2294	1879	1440	973	724	582.9	498.2	436.6	356.4	297.0	152.9
1.80V	2168	1804	1381	950	713	571.0	488.6	426.2	348.2	288.8	148.8
1.85V	2012	1663	1314	898	691	562.1	478.2	416.5	341.6	287.3	147.6

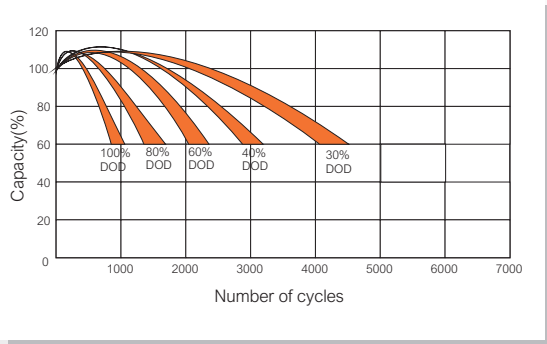
## Dicharge Characteristics Curve



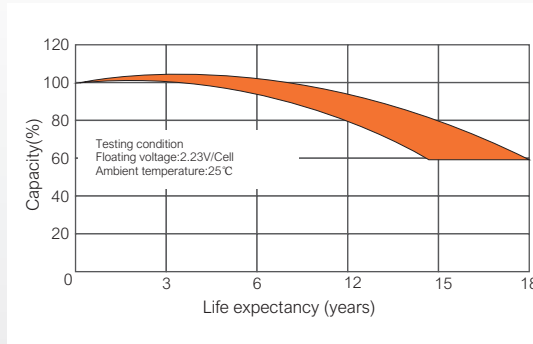
## Charging Characteristics Curve



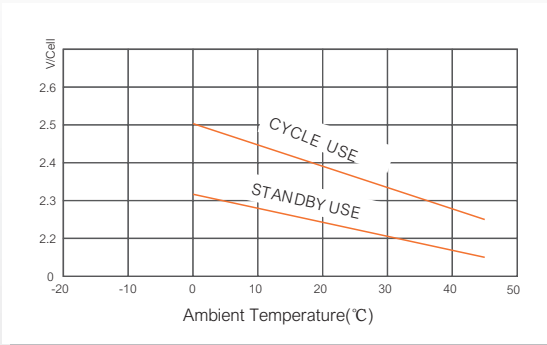
## Cycle life of Different DOD



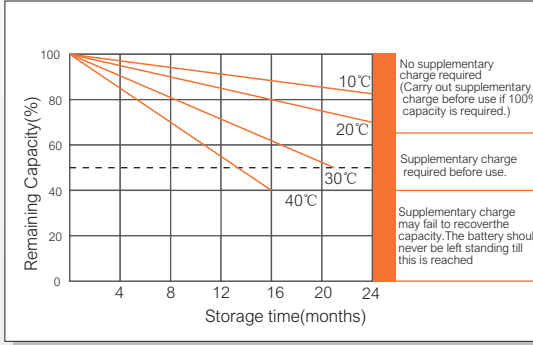
## Float charging service life Curve



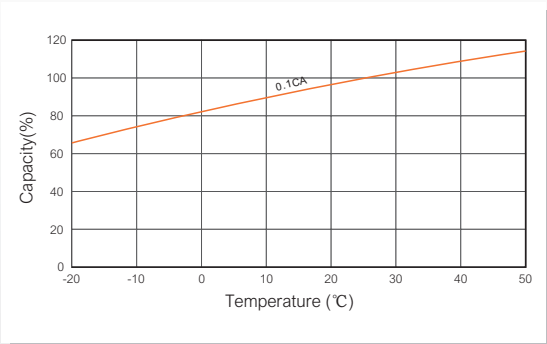
## Charging voltage and temperature relationship



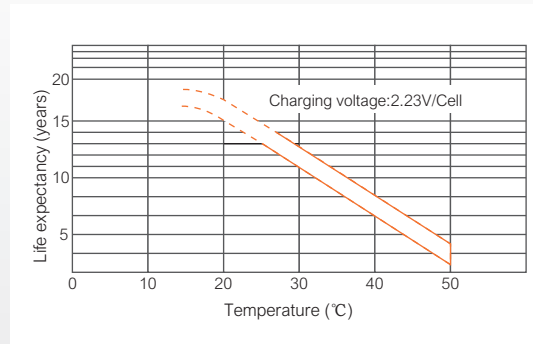
## Self-discharge Characteristics



## 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](mailto:sales@longwaybattery.com)

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

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