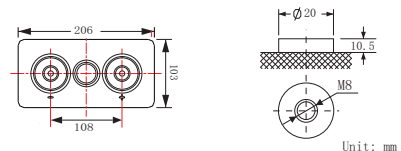
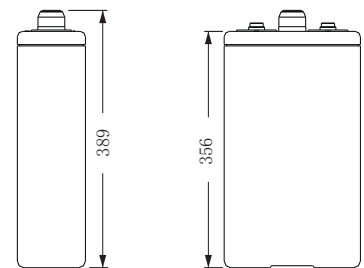


Specifications

Rated Voltage	2V		
Nominal Capacity(C ₁₀ , 1.80V/cell)	200Ah		
Dimension	Length	103 ± 2mm	
	Width	206 ± 2mm	
	Container Height	356 ± 2mm	
	Total Height	389 ± 2mm	
Approx Weight	18.5kg		
Terminal	M8		
Container Material	ABS		
Rated Capacity(25 °C)	200Ah	C10(20A, 1.80V/cell)	
	170Ah	C5(34A, 1.80V/cell)	
	150Ah	C3(50A, 1.80V/cell)	
	100Ah	C1(100A, 1.80V/cell)	
Max. Discharge Current	1000A (5s)		
Internal Resistance(25 °C)	Approx 0.85mΩ		
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)	50A		
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

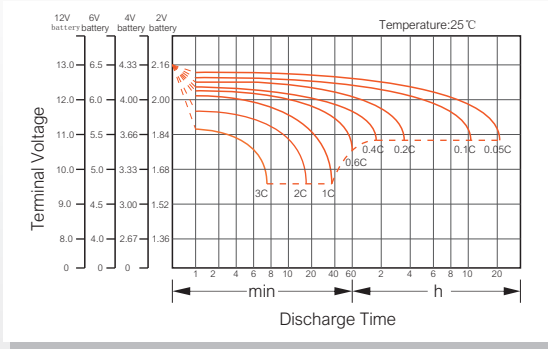
Constant Current Discharge (A)25 °C

F.V/Time	15min	30min	1h	2h	3h	4h	5h	6h	8h	10h
1.60V	208	163	119	74	53	43	36.1	31.8	25.6	21.0
1.65V	196	155	112	72	52	42	35.7	31.4	25.4	20.9
1.70V	185	149	110	70	51	41	35.2	30.9	25.1	20.8
1.75V	173	141	103	68	50	41	34.7	30.3	24.7	20.5
1.80V	161	132	100	66	50	40	34.0	29.5	24.1	20.0
1.85V	149	120	92	62	48	39	32.8	28.5	23.4	19.6

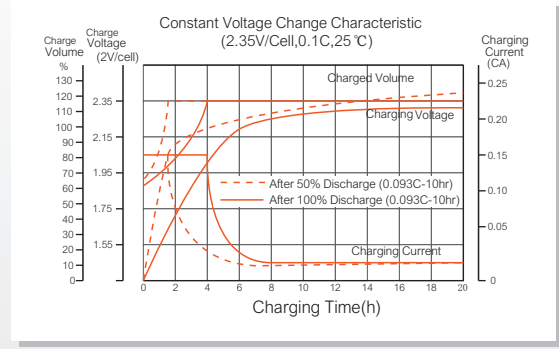
Constant Power Discharge (W/cell)25 °C

F.V/Time	15min	30min	1h	2h	3h	4h	5h	6h	8h	10h
1.60V	358	287	217	139	101	80.7	68.6	60.5	49.0	40.2
1.65V	343	272	204	136	99	79.1	68.0	59.9	48.7	40.1
1.70V	324	261	201	133	98	78.9	67.3	59.1	48.3	40.0
1.75V	306	250	192	130	97	77.7	66.4	58.2	47.5	39.6
1.80V	289	241	184	127	95	76.1	65.1	56.8	46.4	38.5
1.85V	268	222	175	120	92	74.9	63.8	55.5	45.5	38.3

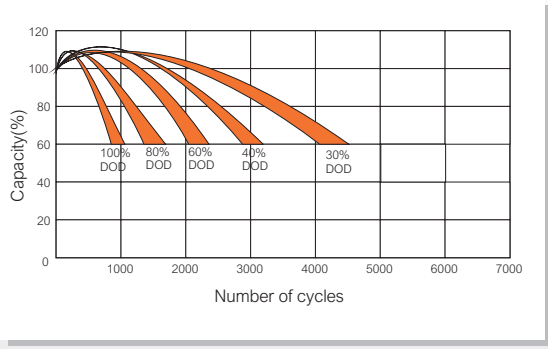
Dicharge Characteristics Curve



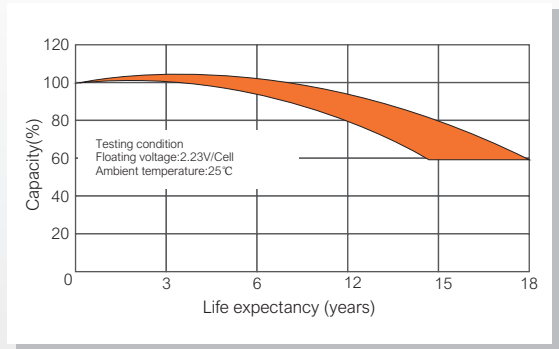
Charging Characteristics Curve



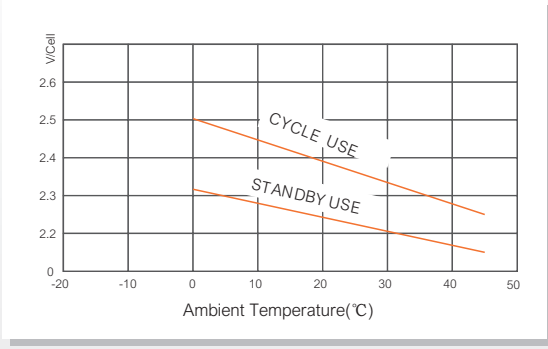
Cycle life of Different DOD



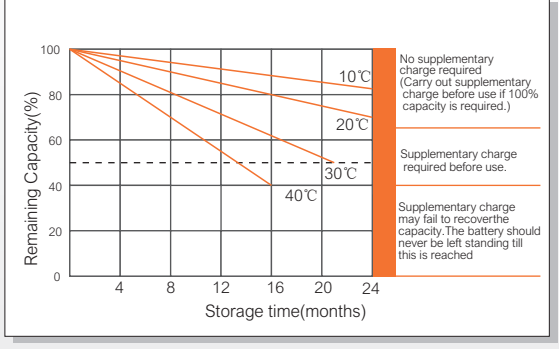
Float charging service life Curve



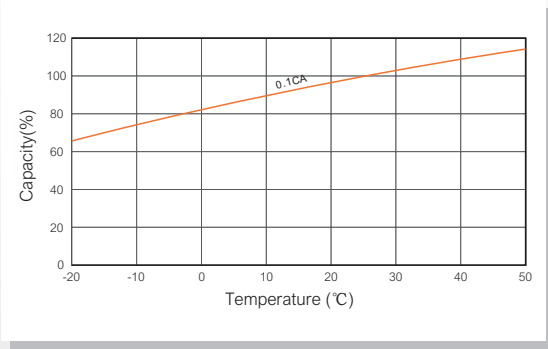
Charging voltage and temperature relationship



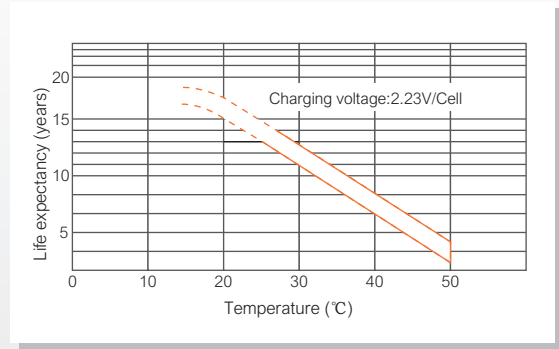
Self-discharge Characteristics



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.