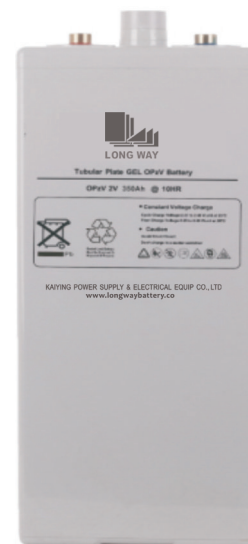
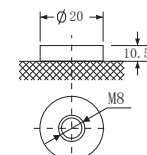
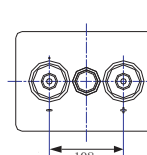
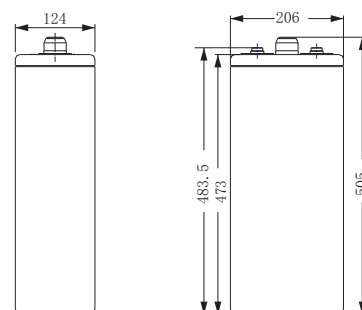


Specifications

Rated Voltage	2V		
Nominal Capacity(C ₁₀ , 1.80V/cell)	350Ah		
Dimension	Length	124 ± 2mm	
	Width	206 ± 2mm	
	Container Height	473 ± 2mm	
	Total Height	505 ± 2mm	
Approx Weight	28.5kg		
Terminal	M8		
Container Material	ABS		
Rated Capacity(25 °C)	350Ah	C10(35A, 1.80V/cell)	
	297.5Ah	C5(59.5A, 1.80V/cell)	
	262.5Ah	C3(87.5A, 1.80V/cell)	
	175Ah	C1(175A, 1.80V/cell)	
Max. Discharge Current	1750A (5s)		
Internal Resistance(25 °C)	Approx 0.60mΩ		
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)	87.5A		
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



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

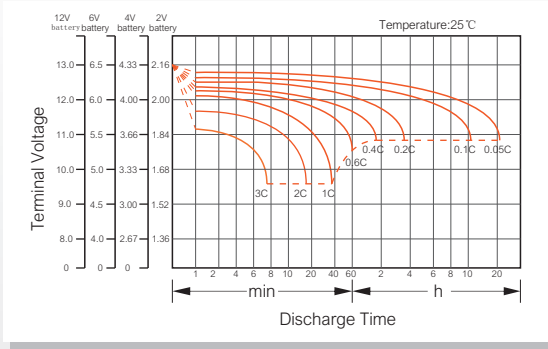
Constant Current Discharge (A)25 °C

F.V/Time	15min	30min	1h	2h	3h	4h	5h	6h	8h	10h
1.60V	364	286	208	130	94	74	63.2	55.6	44.9	36.7
1.65V	343	272	196	126	92	73	62.5	54.9	44.5	36.6
1.70V	324	260	192	123	90	72	61.7	54.1	44.0	36.4
1.75V	303	246	180	120	88	71	60.6	53.0	43.1	35.9
1.80V	282	230	175	116	87	69	59.5	51.6	42.1	35.0
1.85V	260	210	161	109	83	68	57.3	49.9	40.9	34.3

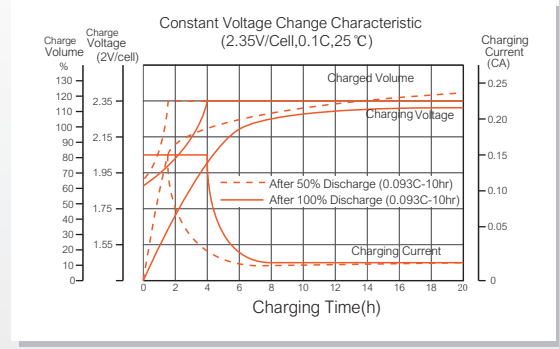
Constant Power Discharge (W/cell)25 °C

F.V/Time	15min	30min	1h	2h	3h	4h	5h	6h	8h	10h
1.60V	627	502	379	243	177	141.2	120.1	105.9	85.8	70.3
1.65V	599	476	357	237	174	138.4	119.0	104.8	85.2	70.2
1.70V	567	457	352	232	172	138.1	117.8	103.4	84.5	70.0
1.75V	535	438	336	227	169	136.0	116.3	101.9	83.2	69.3
1.80V	506	421	322	222	166	133.2	114.0	99.4	81.3	67.4
1.85V	470	388	307	210	161	131.2	111.6	97.2	79.7	67.0

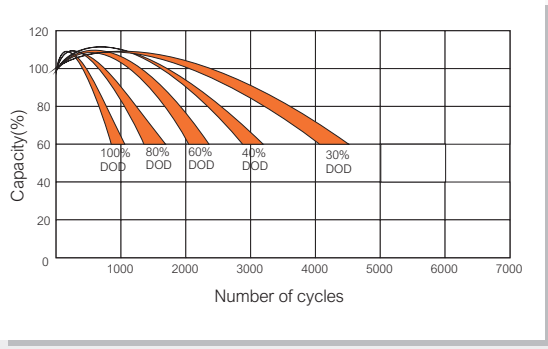
Dicharge Characteristics Curve



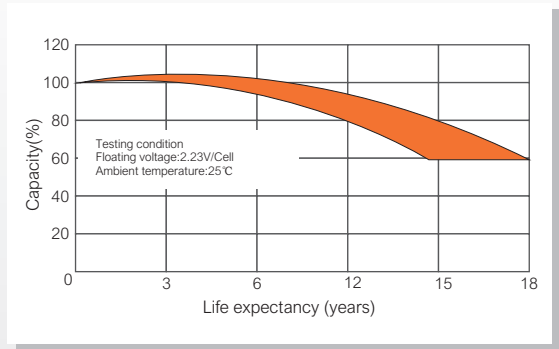
Charging Characteristics Curve



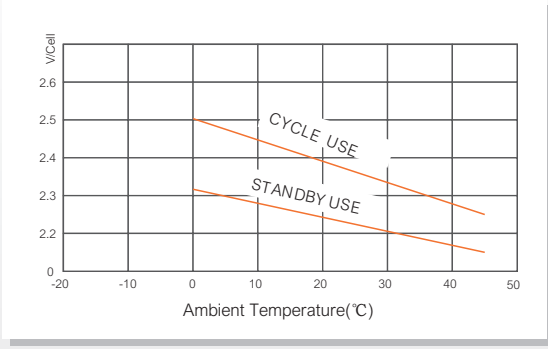
Cycle life of Different DOD



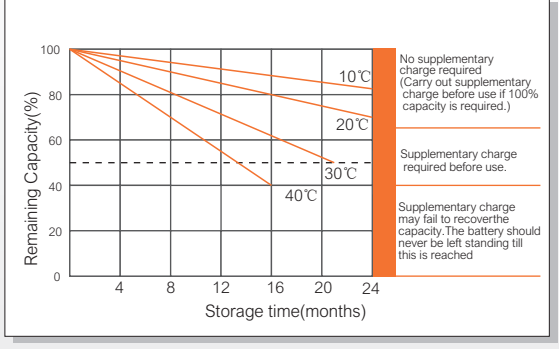
Float charging service life Curve



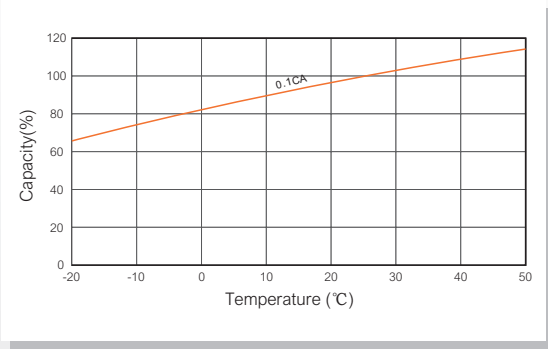
Charging voltage and temperature relationship



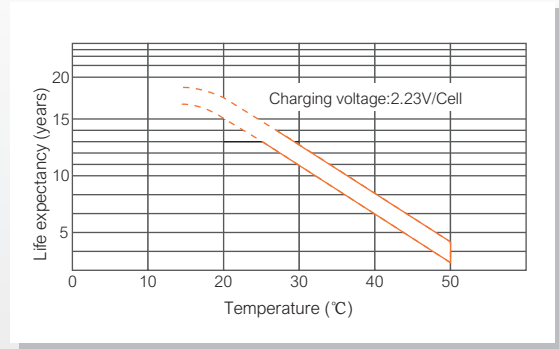
Self-discharge Characteristics



Temperature Effects in Relation to Battery Capacity



Temperature Effects on Long Term Float Life



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