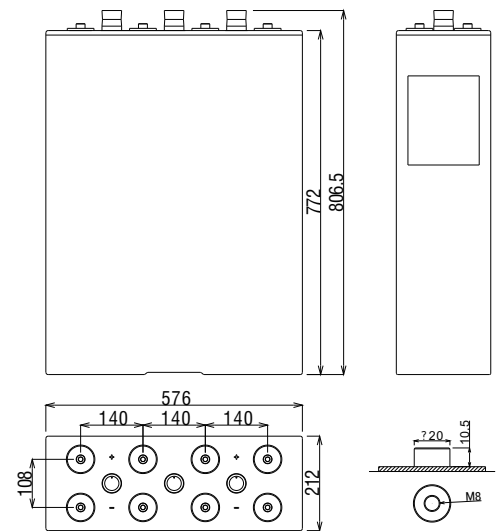


Specifications

Rated Voltage	2V			
Nominal Capacity(C ₁₀ , 1.80V/cell)	3000Ah			
Dimension	Length	576 ± 2mm		
	Width	212 ± 2mm		
	Container Height	772 ± 2mm		
	Total Height	807 ± 2mm		
Approx Weight	225.0kg			
Terminal	M8			
Container Material	ABS			
Rated Capacity(25 °C)	3000Ah	C10(300A, 1.80V/cell)		
	2550Ah	C5(510A, 1.80V/cell)		
	2250Ah	C3(750A, 1.80V/cell)		
	1500Ah	C1(1550A, 1.80V/cell)		
Max. Discharge Current	15000A (5s)			
Internal Resistance(25 °C)	Approx 0.28mΩ			
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)	750A			
Charge voltage(25 °C)	Temp. Coefficient	Float	2.23~2.25/cell	-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)		105%
Effect of temp. to Capacity	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

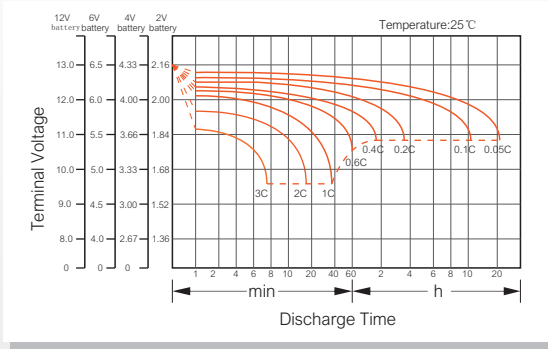
Constant Current Discharge (A)25 °C

F.V/Time	15min	30min	1h	2h	3h	4h	5h	6h	8h	10h
1.60V/cell	3150	2475	1800	1125	810	645	547.5	481.5	388.5	318.0
1.65V/cell	2970	2355	1695	1095	795	630	541.5	475.5	385.5	316.5
1.70V/cell	2805	2250	1665	1065	780	627	534.0	468.0	381.0	315.0
1.75V/cell	2625	2130	1560	1035	765	615	525.0	459.0	373.5	310.5
1.80V/cell	2445	1995	1500	1005	750	600	515.0	447.0	364.5	301.5
1.85V/cell	2250	1815	1395	945	720	585	496.5	432.0	354.0	297.0

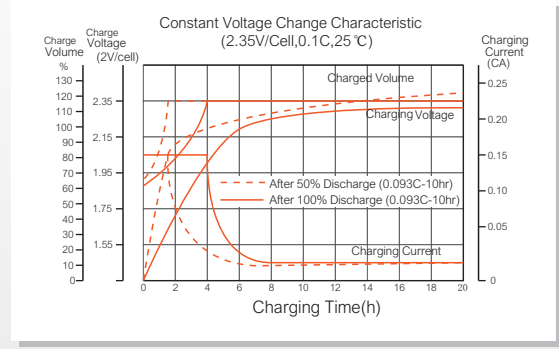
Constant Power Discharge (W/cell)25 °C

F.V/Time	15min	30min	1h	2h	3h	4h	5h	6h	8h	10h
1.60V/cell	5430	4350	3285	2100	1530	1223	1039.5	916.5	742.5	609.0
1.65V/cell	5190	4125	3090	2055	1508	1199	1030.5	907.5	738.0	607.5
1.70V/cell	4905	3960	3045	2010	1485	1196	1020.0	895.5	732.0	606.0
1.75V/cell	4635	3795	2910	1965	1463	1178	1006.5	882.0	720.0	600.0
1.80V/cell	4380	3645	2790	1920	1440	1154	987.0	861.0	703.5	583.5
1.85V/cell	4065	3360	2655	1815	1395	1136	966.0	841.5	690.0	580.5

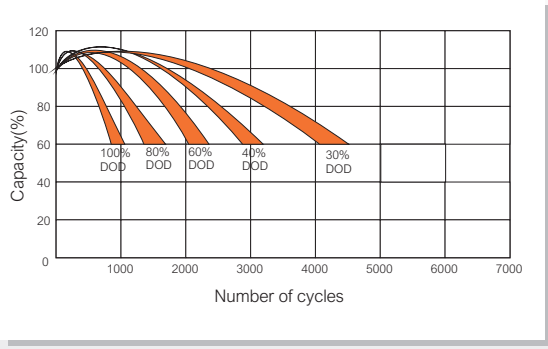
Dicharge Characteristics Curve



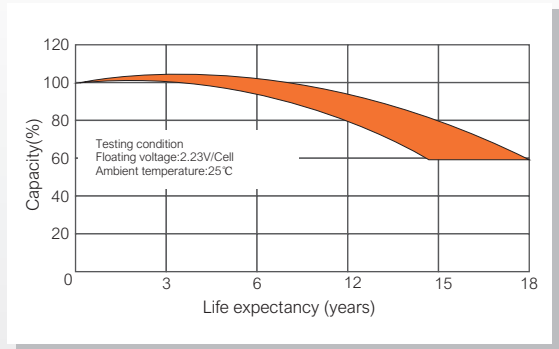
Charging Characteristics Curve



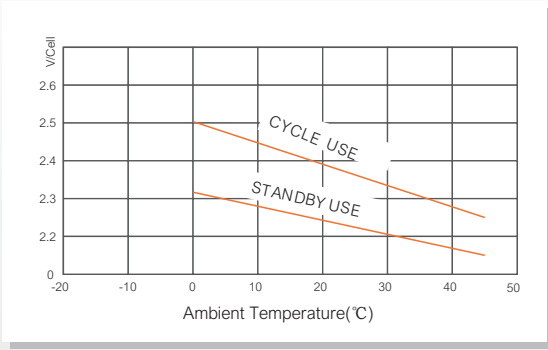
Cycle life of Different DOD



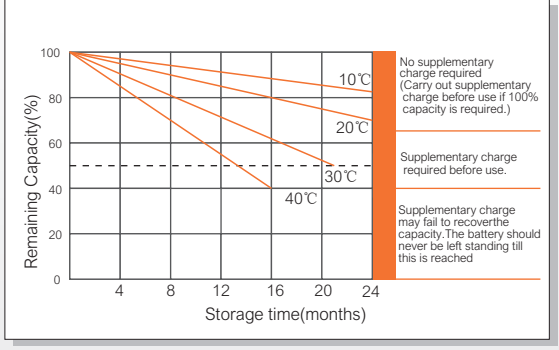
Float charging service life Curve



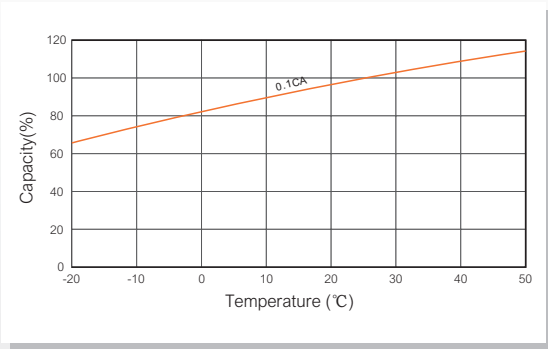
Charging voltage and temperature relationship



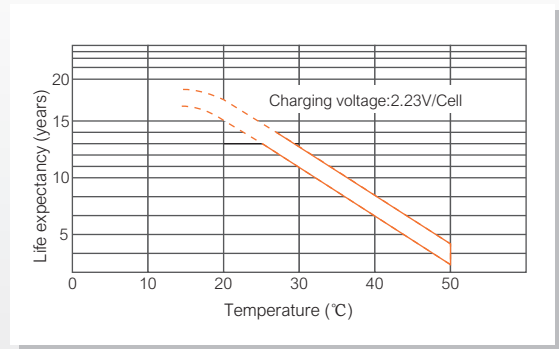
Self-discharge Characteristics



Temperature Effects in Relation to Battery Capacity



Temperature Effects on Long Term Float Life



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