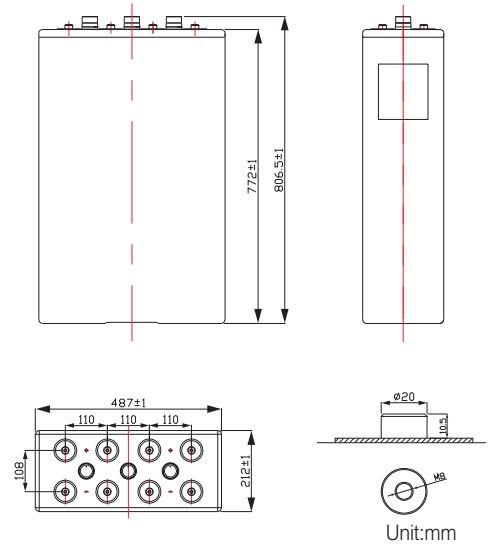


## Specifications

Rated Voltage	2V			
Nominal Capacity(C <sub>10</sub> , 1.80V/cell)	2500Ah			
Dimension	Length	487 ± 2mm		
	Width	212 ± 2mm		
	Container Height	772 ± 2mm		
	Total Height	807 ± 2mm		
Approx Weight	188.5kg			
Terminal	M8			
Container Material	ABS			
Rated Capacity(25 °C)	2500Ah	C10(250A, 1.80V/cell)		
	2125Ah	C5(425A, 1.80V/cell)		
	1875Ah	C3(625A, 1.80V/cell)		
	1250Ah	C1(1250A, 1.80V/cell)		
Max. Discharge Current	12500A (5s)			
Internal Resistance(25°C)	Approx 0.30mΩ			
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)	625A			
Charge voltage(25°C)	Float	Charge voltage	Temp. Coefficient	
		Equalization		-3mv/cell/°C
		Cycle		-4mv/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 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

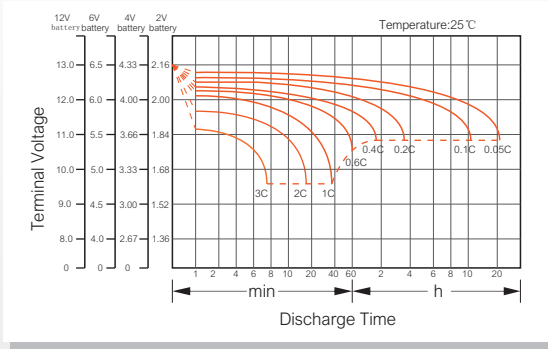
## Constant Current Discharge (A)25 °C

F. V/Time	15min	30min	1h	2h	3h	4h	5h	6h	8h	10h
1.60V/cell	2625	2063	1500	938	675	538	456.3	401.3	323.8	265.0
1.65V/cell	2475	1963	1413	913	663	525	451.3	396.3	321.3	263.8
1.70V/cell	2338	1875	1388	888	650	523	445.0	390.0	317.5	262.5
1.75V/cell	2188	1775	1300	863	638	513	437.5	382.5	311.3	258.8
1.80V/cell	2038	1663	1250	838	625	500	426.0	372.5	303.8	251.3
1.85V/cell	1875	1513	1163	788	600	488	413.8	360.0	295.0	247.5

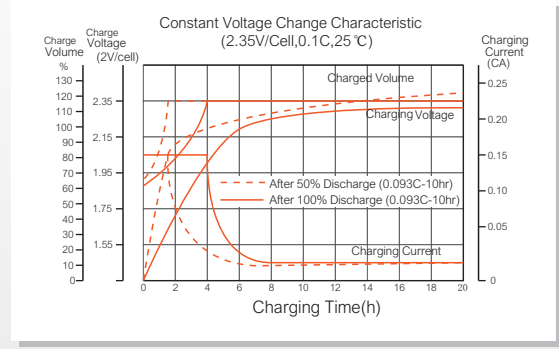
## Constant Power Discharge (W/cell)25 °C

F. V/Time	15min	30min	1h	2h	3h	4h	5h	6h	8h	10h
1.60V/cell	4525	3625	2738	1750	1275	1019	866.3	763.8	618.8	507.5
1.65V/cell	4325	3438	2575	1713	1256	999	858.8	756.3	615.0	506.3
1.70V/cell	4088	3300	2538	1675	1238	996	850.0	746.3	610.0	505.0
1.75V/cell	3863	3163	2425	1638	1219	981	838.8	735.0	600.0	500.0
1.80V/cell	3650	3038	2325	1600	1200	961	822.5	717.5	586.3	486.3
1.85V/cell	3388	2800	2213	1513	1163	946	805.0	701.3	575.0	483.8

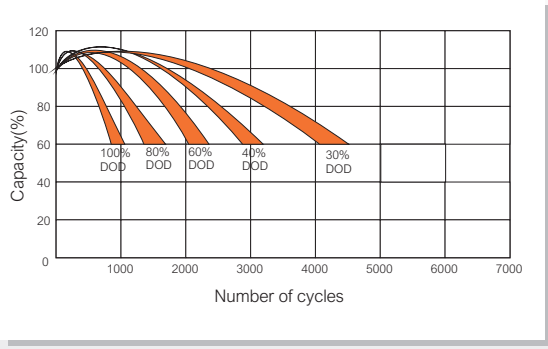
### Dicharge Characteristics Curve



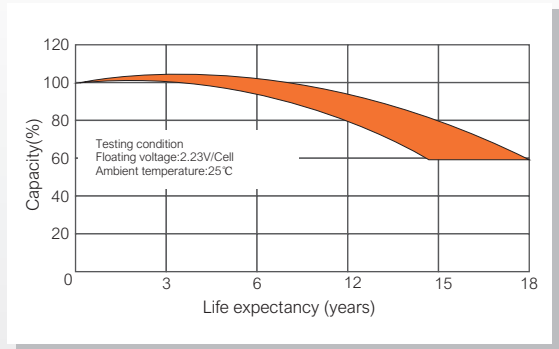
### Charging Characteristics Curve



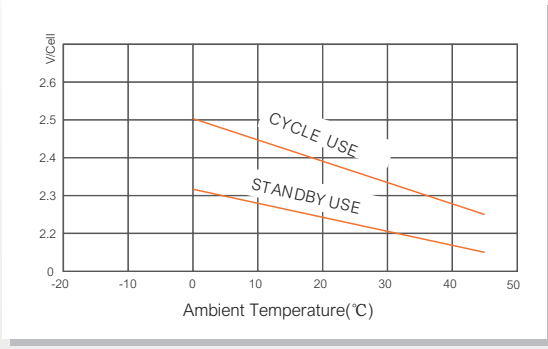
### Cycle life of Different DOD



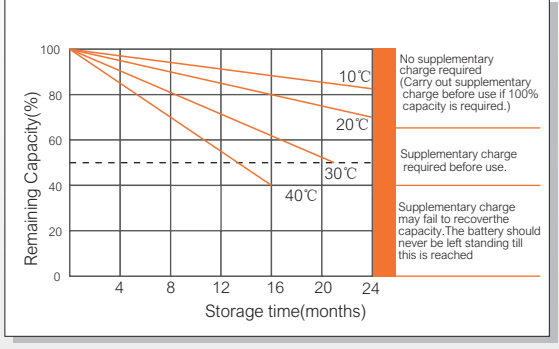
### Float charging service life Curve



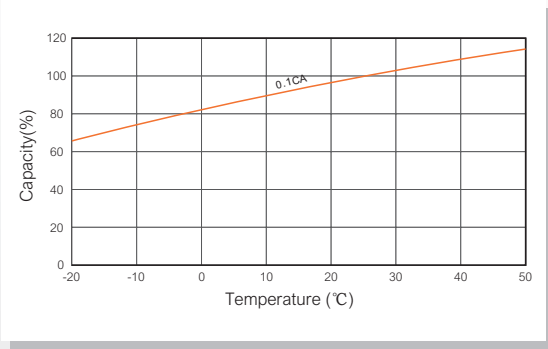
### Charging voltage and temperature relationship



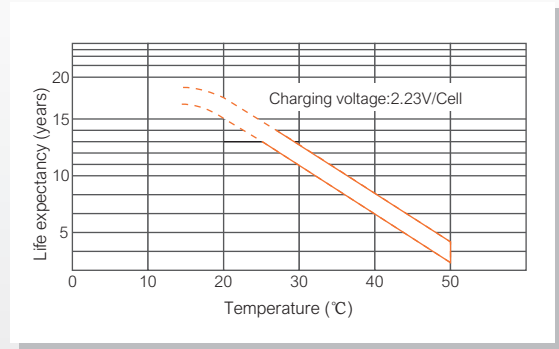
### Self-discharge Characteristics



### Temperature Effects in Relation to Battery Capacity



### Temperature Effects on Long Term Float Life



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