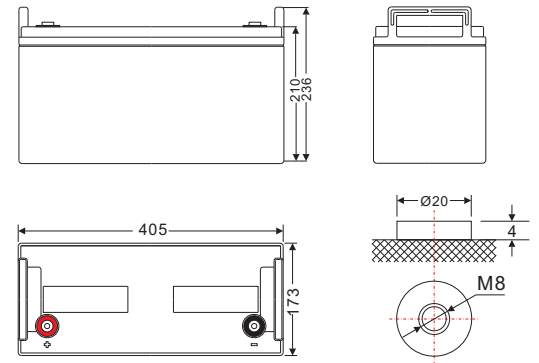


规格 Specifications

额定电压 Rated Voltage	12V		
标称容量 Nominal Capacity (C ₂₀ , 1.80V/cell)	100Ah		
尺寸 Dimension	长 Length	405±2mm	
	宽 Width	173±2mm	
	高 Container Height	210±2mm	
	总高(含端子) Total Height	236±2mm	
重量 Approx Weight	36.0kg		
端子 Terminal	M8		
外壳材料 Container Material	ABS		
额定容量 Rated Capacity (25°C)	100Ah	C20(5A, 1.80V/cell)	
	97Ah	C10(9.7A, 1.80V/cell)	
	85Ah	C5(17A, 1.80V/cell)	
	50Ah	C1(50A, 1.80V/cell)	
5S最大放电电流 Max. Discharge Current	600A (5s)		
内阻 Internal Resistance(25°C)	Approx 7.80mΩ		
运行温度 Operating Temp. Range	放电 Discharge	-15 ~ 50°C	
	充电 Charge	-15 ~ 50°C	
	存储 Storage	-20 ~ 40°C	
推荐温度 Nominal Operating Temp. Range	25±5°C (77±5°F)		
最大充电电流 Max. Charging Current(25°C)	20A		
充电电压 Charge voltage(25°C)	浮充 Float	2.23~2.27V/cell	温度补偿 Temp. Coefficient -3mV/单格/°C
	均充 Equalization	2.30~2.40V/cell	-4mV/单格/°C
	循环 Cycle	2.35~2.45V/cell	-5mV/单格/°C
	40°C (104°F)		102%
温度对容量影响 Effect of temp. to Capacity	25°C (77°F)		100%
	0°C (32°F)		85%
自放电 Self Discharge	≤3%/月 @ 25°C		



外形 Layout



特征 General Features

- 电池设计浮充寿命12年 (25°C) 12 years design life
- 正极板采用管式极板 adopt tubular plate
- 气相SiO₂胶体电池技术 Gas phase SiO₂ with GEL battery technology
- PVC-SiO₂/PE隔板 PVC-SiO₂/PE Separator
- ABS槽盖材料 ABS material battery case
- 广泛应用于通信系统、军事领域、电力系统、广播电视系统等
Widely used in communication systems, military fields, power systems, broadcasting and television systems, etc

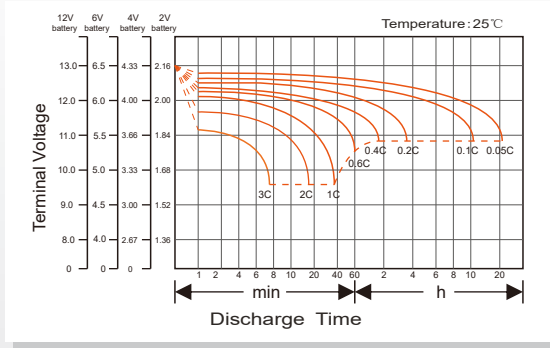
恒流放电表(A) 25°C Constant Current Discharge

F.V/Time	30MIN	60MIN	2HR	3HR	4HR	5HR	6HR	7HR	8HR	10HR	20HR
1.80V/cell	95	51.8	32.3	23.2	18.5	17.0	13.7	13.3	10.7	9.7	5.00
1.75V/cell	100	53.0	33.1	23.5	19.0	17.1	14.0	13.8	11.0	9.8	5.10
1.70V/cell	102	53.8	33.8	23.8	19.3	17.2	14.2	14.1	11.1	9.8	5.14
1.65V/cell	103	54.4	34.3	23.9	19.4	17.3	14.2	14.2	11.2	9.9	5.20

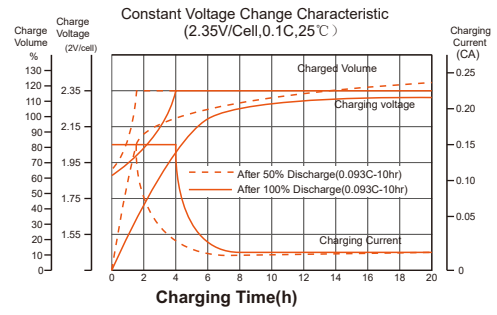
恒功率放电表(W/cell) 25°C Constant Power Discharge

F.V/Time	30MIN	60MIN	2HR	3HR	4HR	5HR	6HR	7HR	8HR	10HR	20HR
1.80V/cell	179	98	61.2	43.9	35.5	30.4	26.3	25.5	20.5	18.5	9.58
1.75V/cell	186	99	61.8	44.3	36.0	30.8	26.6	26.3	20.9	18.6	9.72
1.70V/cell	188	100	62.8	44.6	36.5	31.0	26.8	26.7	21.0	18.6	9.76
1.65V/cell	191	101	63.6	44.8	36.7	31.1	27.0	26.9	21.1	18.8	9.82

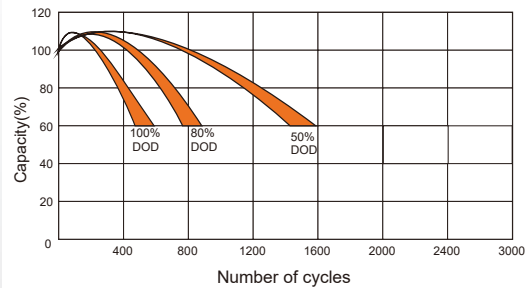
放电特性曲线 Discharge Characteristics Curve



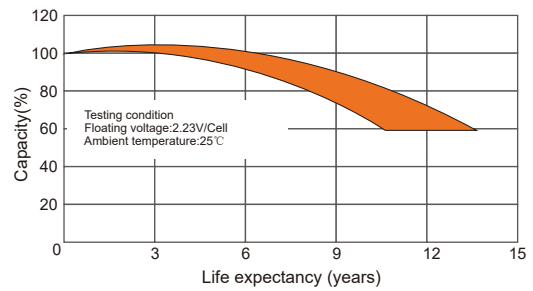
充电特性曲线 Charging Characteristics Curve



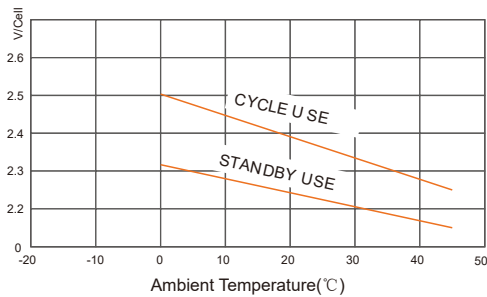
不同放电深度循环寿命 Cycle life of Different DOD



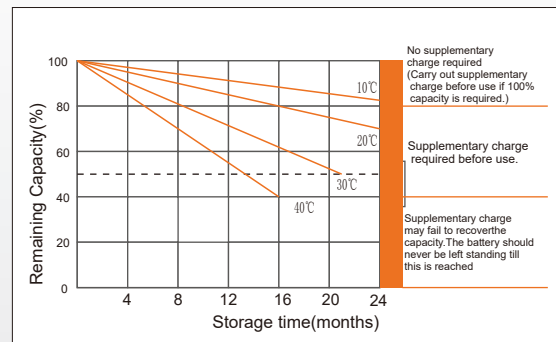
浮充使用寿命 Float charging service life Curve



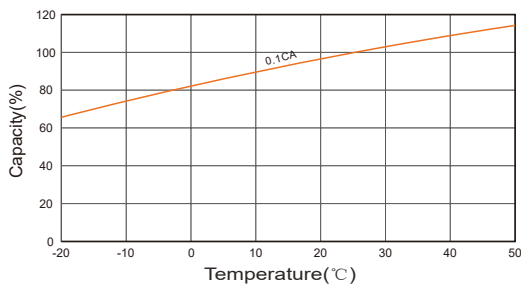
充电电压与温度关系 Charging voltage and temperature relationship



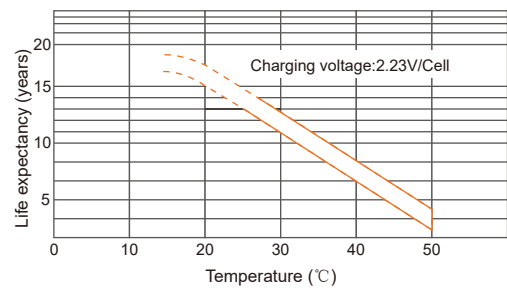
自放电曲线 Self-discharge Characteristics



温度对容量影响 Temperature Effects in Relation to Battery Capacity



温度对浮充寿命影响 Temperature Effects on Long Term Float Life



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