

AGM技术 AGM separator	多元稀土合金 Multi-element patent rare earth alloy	高容量 High power capacity	厚极板 Thick grid plate	浮充设计寿命 6~10年 Float design life 6~10years
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## 应用领域 Product Applications

通信 COMMUNICATION	应急电源 EPS	不间断电源 UPS	风能 WIND ENERGY	太阳能 SOLAR ENERGY
童车 Kid Electric Bike	信号指示灯 SIGNAL	报警及安防系统 ALARM & Safety System	数据中心 Data Center	电力 ELECTRIC POWER

## 产品特性 Product Specifications

额定电压 Nominal Voltage	额定容量 Rated Capacity (10hr)	内阻 Internal Resistance	短路电流 Short Circuit Current	推荐使用温度范围 Operating Temp. Range
12V	7.5Ah@25°C (77°F, 1.80V/cell)	18mΩ@25°C(77°F)	105A(5s)	放电 Discharge: -15~+50°C (5~122°F) 充电 Charge: 0~+40°C (32~104°F) 储存 Storage: -15~+40°C (5~104°F) 最佳 Optimum: 25±3°C (77±5°F)

## 物理特性 Physical Specifications

材料 Material	端子 Terminal Type	尺寸 Dimensions				重量 Weight
		长 Length	宽 Width	高 Height	总高 TH	
ABS UL94-HB (阻燃 ABS UL94-V0)	T1/T2	151±1mm (5.94 inch.)	65.5±1mm (2.58 inch.)	93.5±1mm (3.68 inch.)	99.5±1mm (3.92 inch.)	2.48kg (5.47lbs)

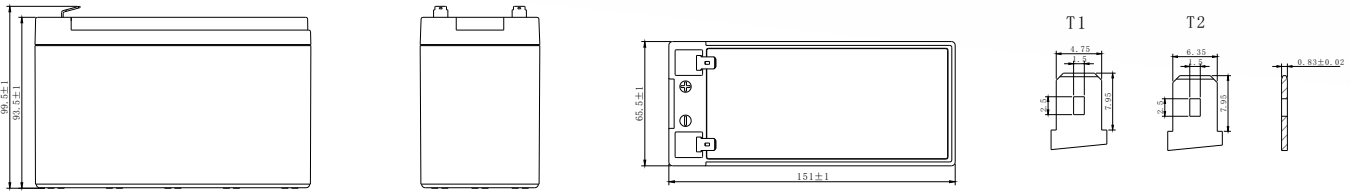
## 恒流放电参数 Constant Current Discharge(A)@25°C(77°F)

终止电压/时间	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/单格	24.0	15.5	12.9	10.6	7.43	5.16	4.02	2.27	1.66	1.36	1.17	1.02	0.83	0.70	0.379
1.80V/单格	25.9	16.4	13.5	10.9	7.63	5.28	4.12	2.32	1.70	1.40	1.20	1.05	0.85	0.75	0.384
1.75V/单格	26.8	16.9	13.8	11.2	7.81	5.42	4.22	2.37	1.75	1.43	1.30	1.07	0.87	0.76	0.394
1.70V/单格	27.8	17.3	14.1	11.4	7.98	5.59	4.34	2.44	1.79	1.47	1.32	1.11	0.90	0.77	0.403
1.65V/单格	28.5	17.8	14.4	11.7	8.15	5.70	4.43	2.51	1.93	1.50	1.33	1.13	0.91	0.78	0.407
1.60V/单格	29.4	18.6	14.9	12.1	8.39	5.85	4.55	2.60	1.96	1.55	1.34	1.16	0.93	0.78	0.417

## 恒功率放电参数 Constant Power Discharge(W/cell)@25°C(77°F)

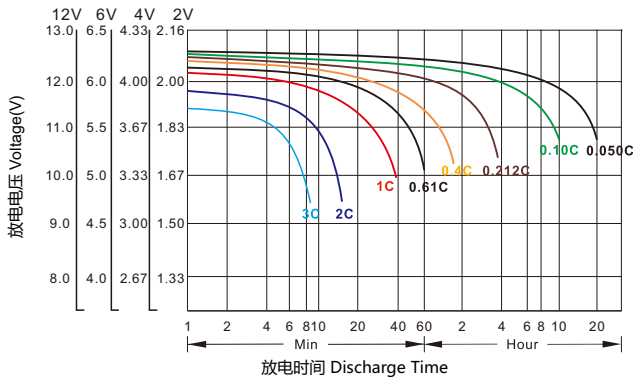
终止电压/时间	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/单格	44.2	29.1	24.6	20.4	14.5	10.1	7.92	4.52	3.32	2.74	2.37	2.07	1.68	1.43	0.773
1.80V/单格	47.6	30.7	25.5	20.9	14.8	10.3	8.09	4.59	3.39	2.80	2.42	2.12	1.72	1.52	0.779
1.75V/单格	49.2	31.5	26.0	21.3	15.1	10.6	8.26	4.69	3.48	2.87	2.61	2.16	1.76	1.54	0.798
1.70V/单格	50.9	32.1	26.5	21.7	15.4	10.9	8.50	4.82	3.56	2.93	2.63	2.22	1.80	1.54	0.813
1.65V/单格	52.1	33.0	27.0	22.2	15.7	11.1	8.65	4.93	3.82	2.98	2.65	2.26	1.83	1.56	0.819
1.60V/单格	53.5	34.2	27.8	22.9	16.1	11.3	8.84	5.10	3.85	3.06	2.66	2.31	1.86	1.56	0.837

## 外形尺寸 Battery Dimensions(mm)

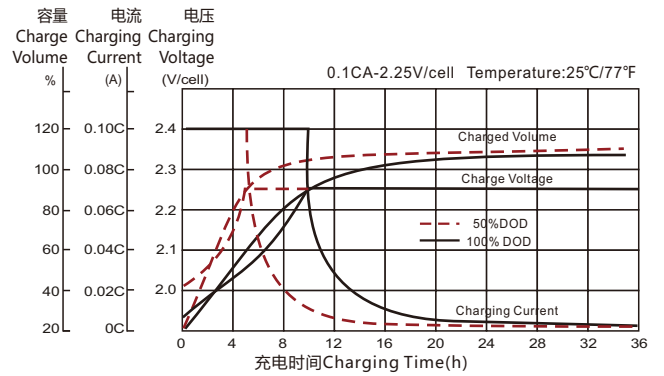


## 电性能 Electrical Characteristics

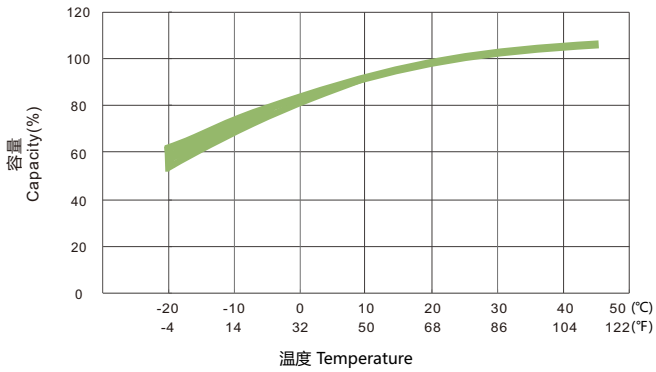
### 不同倍率放电特性 Discharge Characteristics(25°C/77°F)



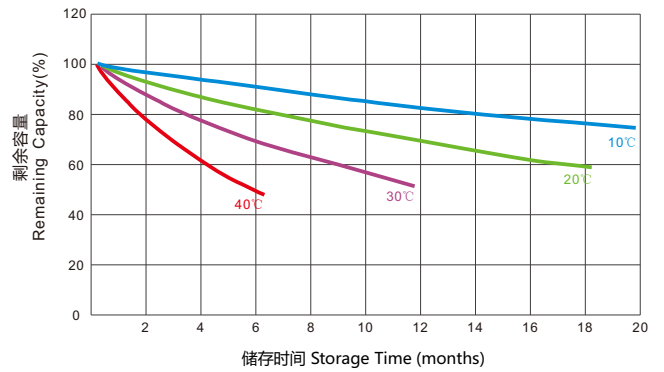
### 充电特性曲线 Charging Characteristics



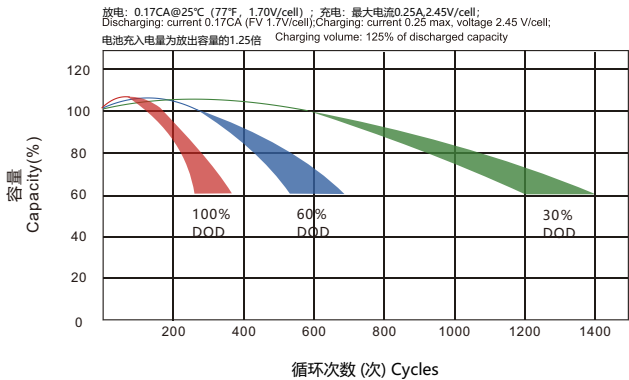
### 电池容量曲线 Capacity vs Temperature



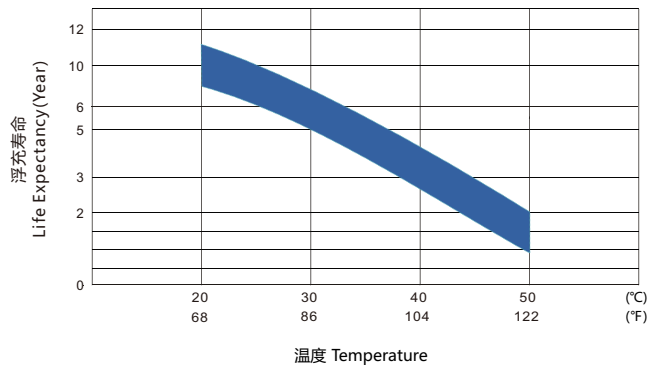
### 自放电曲线 Self-discharge vs Time



### 循环次数与放电深度 Cycle Life vs Depth of Discharge



### 浮充寿命曲线 Float Life vs Temperature



充电电流 Charge Current	快速充电 Fast Charge	浮充充电 Float Charge
限流: ≤0.3CA Limited current: ≤0.3CA	恒压 Constant voltage: 14.4 ~ 15.0V @ 25°C (77°F) 温度补偿系数 Temp. Coefficient: -30mV/°C	恒压 Constant voltage: 13.5 ~ 13.8V @ 25°C (77°F) 温度补偿系数 Temp. Coefficient: -20mV/°C