

<b>Pb-C技术</b> Lead Carbon technology	<b>AGM技术</b> AGM separator	<b>多元稀土合金</b> Multi-element patent rare earth alloy	<b>PSoC技术</b> PSoC technology	<b>60%放电循环</b> 60%DOD ≥3600cycles
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## 应用领域 Product Applications

<b>通信 COMMUNICATION</b>	<b>风能 WIND ENERGY</b>
<b>数据中心 Data Center</b>	<b>太阳能 SOLAR ENERGY</b>
<b>不间断电源 UPS</b>	<b>工业 INDUSTRIAL</b>
<b>电力 ELECTRIC POWER</b>	

## 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	80Ah/0.96kWh (25°C/77°F, 1.80V/cell)	7.0mΩ@25°C(77°F)	960A(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)	I7	408±2mm (16.1 inch.)	177±2mm (6.97 inch.)	224±2mm (8.82 inch.)	224±2mm (8.82 inch.)	41.5kg 91.5(lbs)

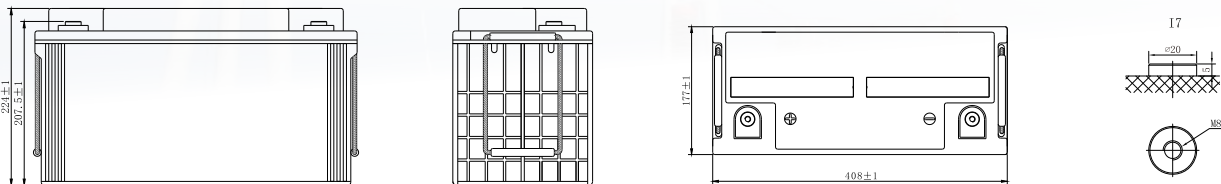
## 恒流放电参数 Constant Current Discharge(A)@25°C(77°F)

终止电压/时间 F.V / Time	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h	72h	100h	120h
1.85V/cell	75.3	62.4	50.3	41.8	25.5	19.1	15.62	13.4	11.8	9.50	7.86	4.21	1.30	1.00	0.84
1.80V/cell	83.6	66.9	52.8	43.7	26.7	19.9	16.1	13.8	12.1	9.74	8.00	4.26	1.31	1.01	0.85
1.75V/cell	90.2	70.8	55.6	45.8	27.7	20.7	16.6	14.1	12.4	9.92	8.13	4.31	1.33	1.03	0.86
1.70V/cell	96.4	74.3	57.6	47.3	28.8	21.4	17.1	14.5	12.7	10.1	8.27	4.36	1.34	1.04	0.88
1.67V/cell	101.4	78.0	60.0	48.9	29.8	21.8	17.6	14.8	12.9	10.3	8.42	4.41	1.36	1.05	0.90
1.60V/cell	105.1	80.6	61.7	50.1	30.3	22.2	18.0	15.2	13.2	10.4	8.52	4.46	1.38	1.06	0.91

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

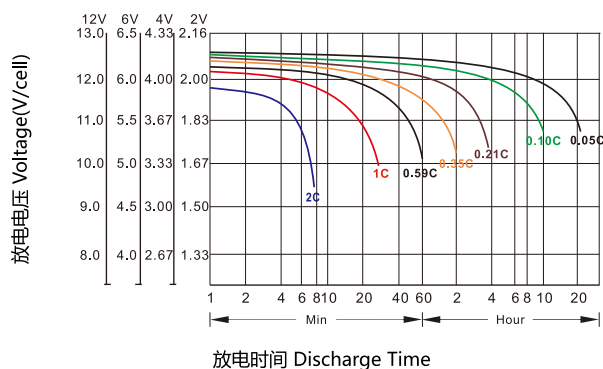
终止电压/时间 F.V / Time	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h	72h	100h	120h
1.85V/cell	144.0	120.8	98.2	82.0	50.4	37.9	31.1	26.8	23.6	19.1	15.9	8.61	2.65	2.05	1.73
1.80V/cell	158.4	128.2	102.4	85.3	52.4	39.4	32.0	27.4	24.1	19.5	16.1	8.68	2.68	2.07	1.74
1.75V/cell	168.9	134.6	107.1	88.8	54.2	40.8	32.8	28.0	24.6	19.8	16.3	8.78	2.71	2.09	1.76
1.70V/cell	179.1	140.0	110.2	91.3	56.2	41.9	33.7	28.6	25.1	20.1	16.6	8.87	2.73	2.11	1.80
1.67V/cell	186.6	146.2	114.4	94.1	57.8	42.7	34.5	29.2	25.5	20.4	16.9	8.96	2.76	2.13	1.83
1.60V/cell	191.3	149.8	116.6	95.7	58.5	43.2	35.1	29.8	25.9	20.7	17.0	9.05	2.79	2.15	1.85

## 外形尺寸 Battery Dimensions(mm)

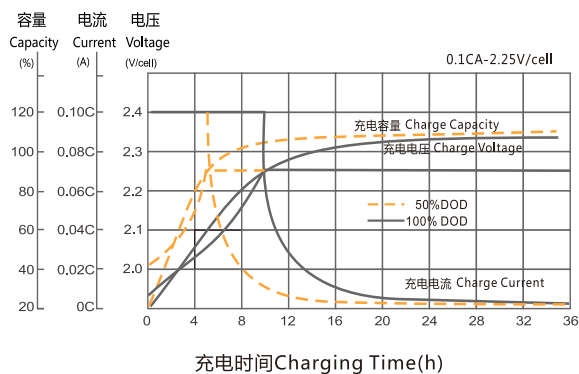


## 电性能 Electrical Characteristics

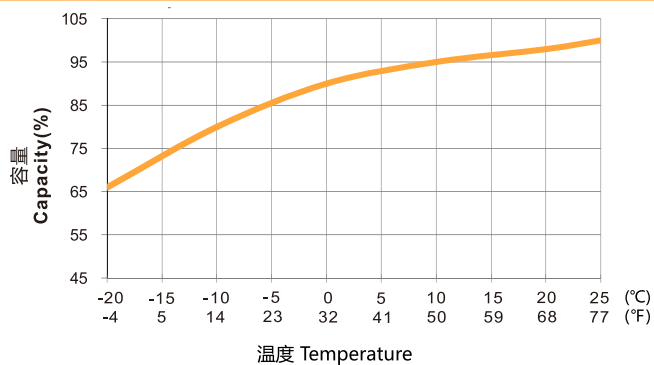
### 不同倍率放电特性 Discharge Characteristics(25°C/77°F)



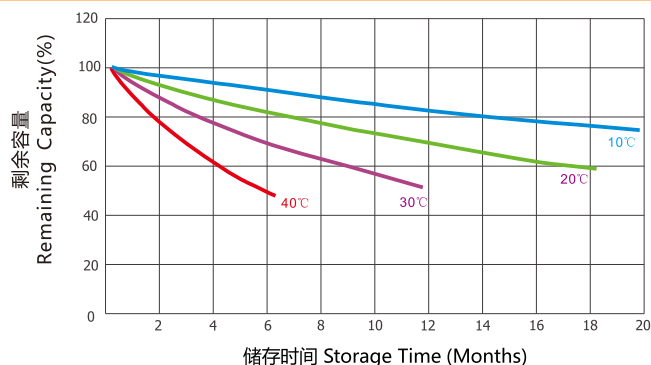
### 充电特性曲线 Charging Characteristics



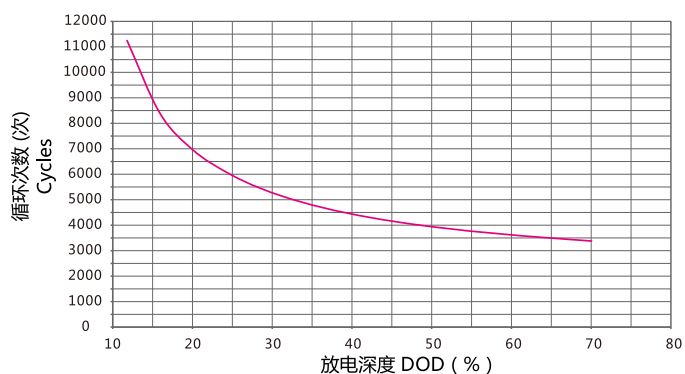
### 电池容量曲线 Capacity vs Temperature



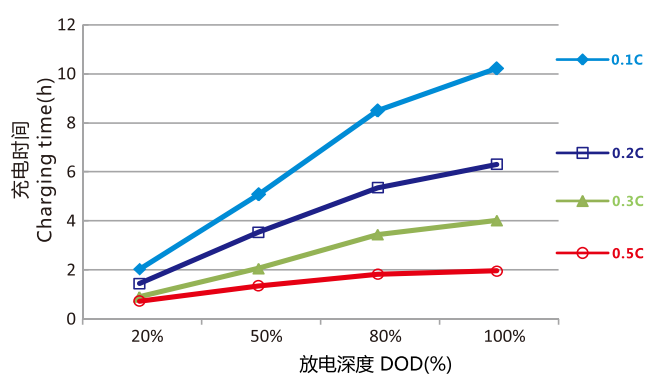
### 自放电曲线 Self-discharge vs Time



### 循环次数与放电深度 Cycle Life vs DOD



### 充电时间与放电深度 Charging Time vs DOD



#### 充电电流 Charge Current

限流:  $\leq 0.4C_{10A}$   
Limited current:  $\leq 0.4C_{10A}$

#### 快速充电 Fast Charge

恒压 Constant voltage: 13.8~14.4V@25°C(77°F)  
温度补偿系数 Temp. Coefficient: -30mV/°C

#### 浮充充电 Float Charge

恒压 Constant voltage: 13.2~13.8V@25°C(77°F)  
温度补偿系数 Temp. Coefficient: -20mV/°C