

<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	115Ah/1.38kWh (25°C/77°F , 1.80V/cell)	5.5mΩ@25°C(77°F)	1380A(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	532±2mm (20.94 inch.)	207±2mm (8.15 inch.)	215±2mm (8.46 inch.)	220±2mm (8.66 inch.)	60.0kg 132.3(lbs)

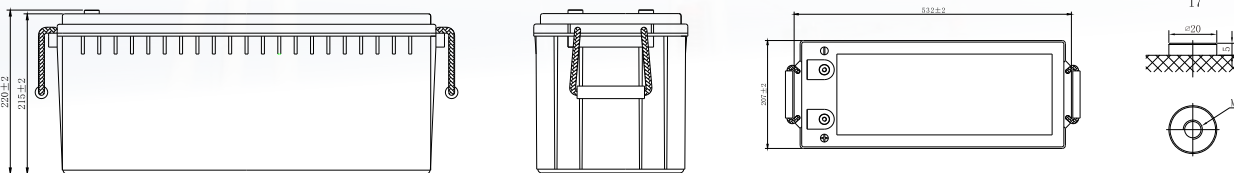
## 恒流放电参数 Constant Current Discharge(A)@25°C(77°F)

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	1082	89.7	72.2	60.0	36.7	27.4	22.45	19.3	17.0	13.6	11.3	6.05	1.86	1.44	1.21
1.80V/cell	1202	96.2	75.9	62.8	38.3	28.7	23.2	19.8	17.4	14.0	11.5	6.12	1.88	1.45	1.23
1.75V/cell	1296	101.8	79.9	65.8	39.8	29.7	23.8	20.3	17.8	14.3	11.7	6.20	1.91	1.47	1.24
1.70V/cell	1385	106.7	82.8	67.9	41.4	30.7	24.6	20.8	18.2	14.5	11.9	6.26	1.93	1.49	1.27
1.67V/cell	1458	112.2	86.3	70.3	42.8	31.4	25.2	21.3	18.6	14.8	12.1	6.34	1.95	1.51	1.29
1.60V/cell	1510	115.9	88.7	72.0	43.6	32.0	25.8	21.9	18.9	15.0	12.2	6.42	1.98	1.53	1.31

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

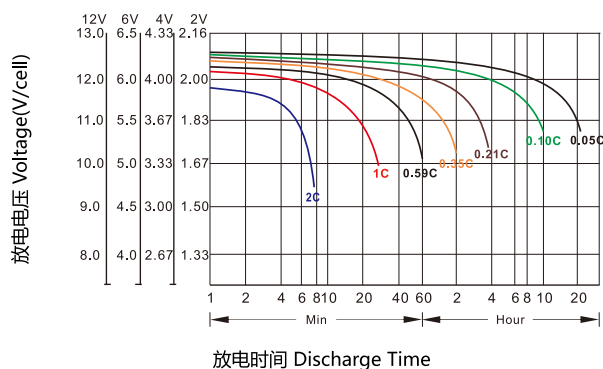
终止电压/时间 F.V / Time	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h	72h	100h	120h
1.85V/cell	2070	173.6	141.2	117.9	72.5	54.4	44.7	38.5	33.9	27.4	22.8	12.4	3.81	2.95	2.49
1.80V/cell	2277	184.3	147.2	122.6	75.3	56.7	46.0	39.4	34.7	28.0	23.1	12.5	3.85	2.97	2.51
1.75V/cell	2428	193.4	153.9	127.7	78.0	58.6	47.1	40.3	35.3	28.5	23.4	12.6	3.89	3.00	2.53
1.70V/cell	2575	201.3	158.5	131.2	80.8	60.3	48.4	41.1	36.1	28.9	23.9	12.8	3.93	3.04	2.59
1.67V/cell	2682	210.1	164.5	135.3	83.1	61.4	49.5	41.9	36.7	29.4	24.2	12.9	3.97	3.07	2.63
1.60V/cell	2750	215.3	167.6	137.5	84.1	62.1	50.4	42.9	37.3	29.7	24.5	13.0	4.01	3.10	2.65

## 外形尺寸 Battery Dimensions(mm)

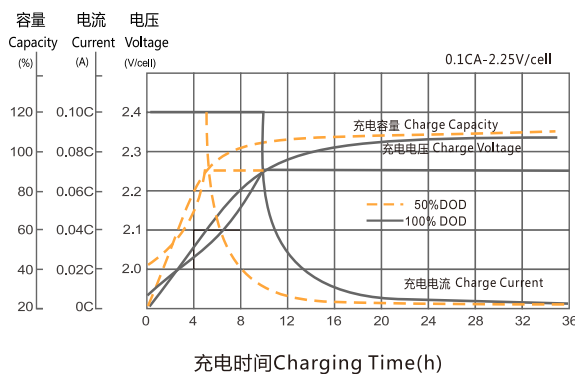


## 电性能 Electrical Characteristics

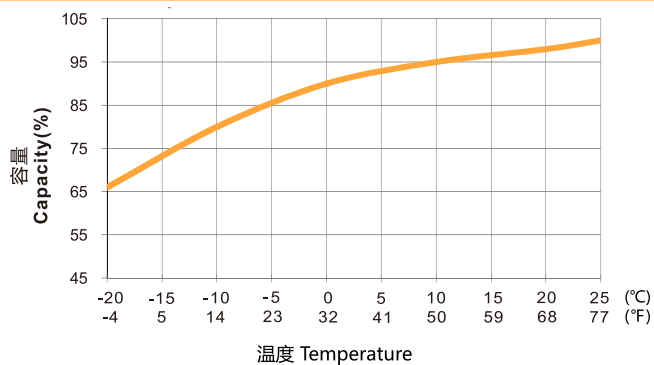
### 不同倍率放电特性 Discharge Characteristics(25°C/77°F)



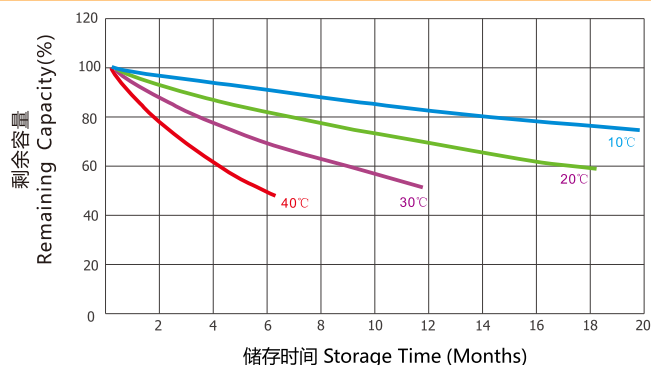
### 充电特性曲线 Charging Characteristics



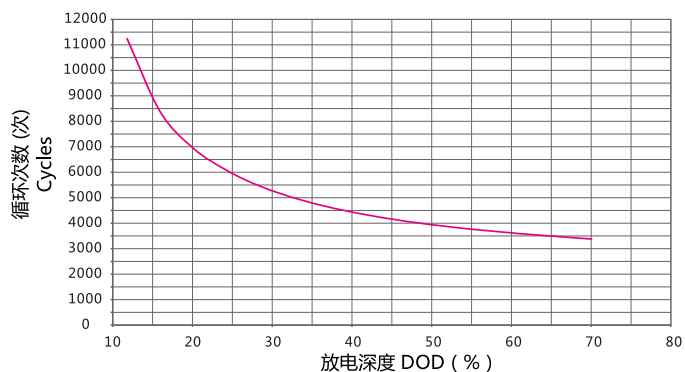
### 电池容量曲线 Capacity vs Temperature



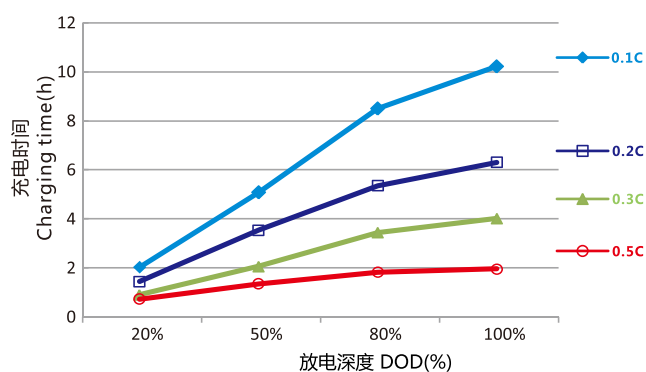
### 自放电曲线 Self-discharge vs Time



### 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