








<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

 通信 COMMUNICATION	 风能 WIND ENERGY
 数据中心 Data Center	 太阳能 SOLAR ENERGY
 不间断电源 UPS	 工业 INDUSTRIAL
	 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	165Ah/1.98kWh (25°C/77°F , 1.80V/cell)	3.5mΩ@25°C(77°F)	1980A(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	522±2mm (20.55 inch.)	268±2mm (10.55 inch.)	220±2mm (8.66 inch.)	225±2mm (8.86 inch.)	82.4kg 181.7(lbs)

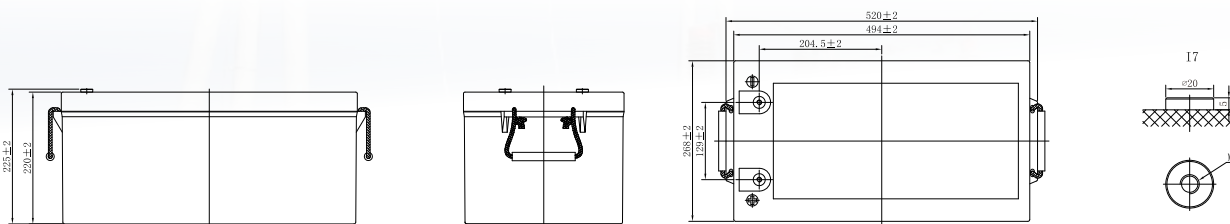
## 恒流放电参数 Constant Current Discharge(A)@25°C(77°F)

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	1552	128.7	103.6	86.1	52.6	39.3	32.2	27.7	24.3	19.6	16.2	8.68	2.67	2.06	1.74
1.80V/cell	1724	138.0	108.9	90.1	55.0	41.1	33.3	28.4	24.9	20.1	16.5	8.78	2.70	2.09	1.76
1.75V/cell	1860	146.0	114.6	94.4	57.2	42.7	34.2	29.2	25.5	20.4	16.8	8.89	2.74	2.11	1.78
1.70V/cell	1988	153.1	118.7	97.5	59.4	44.1	35.2	29.8	26.1	20.8	17.1	8.98	2.77	2.14	1.82
1.67V/cell	2091	160.9	123.8	100.9	61.4	45.0	36.2	30.5	26.6	21.2	17.4	9.09	2.80	2.16	1.85
1.60V/cell	2167	166.2	127.2	103.3	62.6	45.9	37.0	31.4	27.1	21.5	17.6	9.21	2.84	2.19	1.87

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

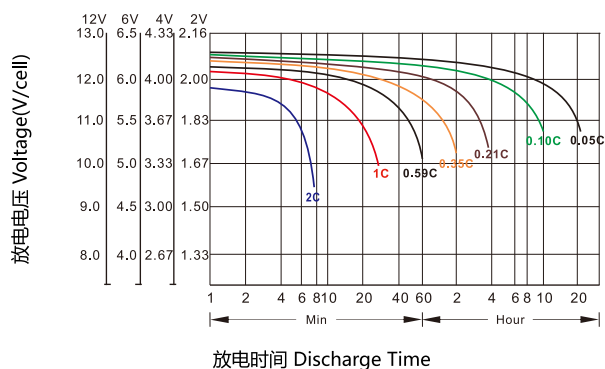
终止电压/时间 F.V / Time	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h	72h	100h	120h
1.85V/cell	297.1	249.1	202.6	169.1	104.0	78.1	64.2	55.2	48.7	39.3	32.7	17.8	5.47	4.23	3.57
1.80V/cell	326.6	264.4	211.2	175.9	108.1	81.3	66.1	56.6	49.7	40.2	33.2	17.9	5.52	4.26	3.60
1.75V/cell	348.4	277.5	220.8	183.3	111.9	84.1	67.6	57.8	50.7	40.9	33.6	18.1	5.58	4.31	3.64
1.70V/cell	369.5	288.8	227.4	188.3	115.9	86.5	69.4	58.9	51.7	41.5	34.2	18.3	5.64	4.36	3.71
1.67V/cell	384.9	301.5	236.0	194.1	119.3	88.1	71.1	60.2	52.7	42.2	34.8	18.5	5.70	4.40	3.77
1.60V/cell	394.5	308.9	240.4	197.3	120.6	89.1	72.3	61.5	53.5	42.6	35.1	18.7	5.75	4.44	3.81

## 外形尺寸 Battery Dimensions(mm)

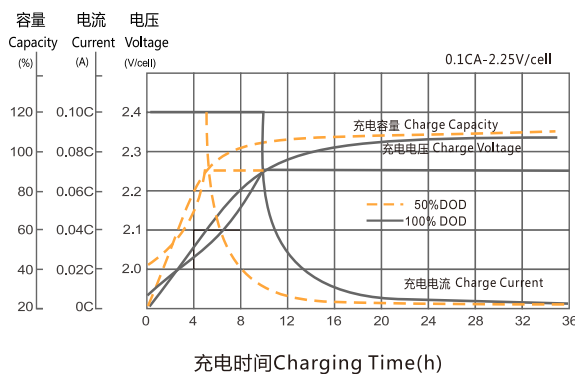


## 电性能 Electrical Characteristics

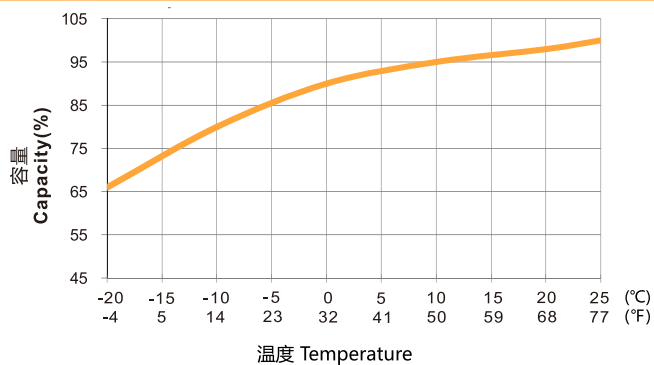
### 不同倍率放电特性 Discharge Characteristics(25°C/77°F)



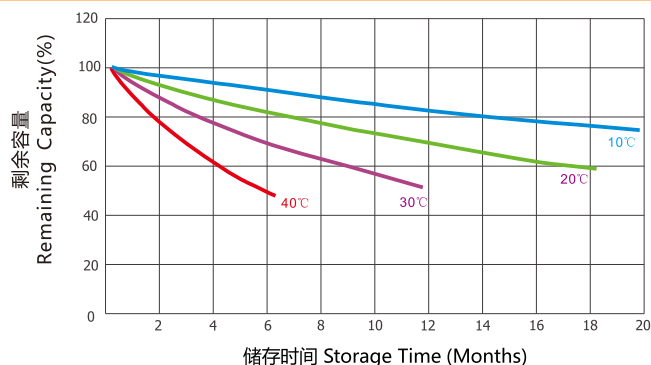
### 充电特性曲线 Charging Characteristics



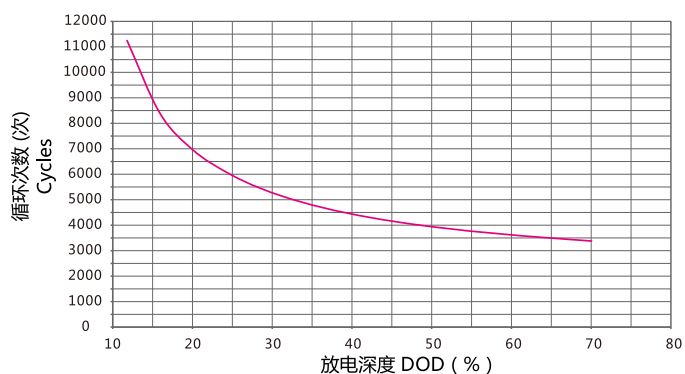
### 电池容量曲线 Capacity vs Temperature



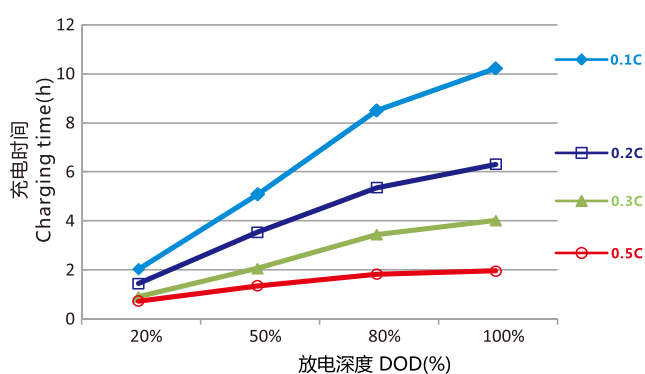
### 自放电曲线 Self-discharge vs Time



### 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