



# TNC2-800 (2V800Ah)



**Pb-C技术**  
Lead Carbon  
technology

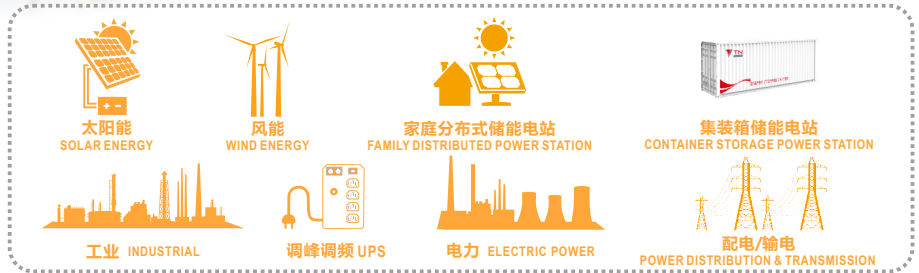
**AGM技术**  
AGM  
separator

**多元稀土合金**  
Multi-element  
patent rare  
earth alloy

**PSoC技术**  
PSoC  
technology

**70%放电循环**  
70%DOD  
≥4200cycles

## 应用领域 Product Applications



## 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
2V	800Ah@25°C (77°F, 1.80V/cell)	0.2mΩ@25°C(77°F)	6400A(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
ABS UL94-HB (阻燃 ABS UL94-V0)	I7	长 Length	宽 Width	高 Height	总高 TH	60.0kg 132.3(lbs)
		206±1mm (8.11 inch.)	145±1mm (5.71 inch.)	646±2mm (25.4 inch.)	668.5±2mm (26.3 inch.)	

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

终止电压/时间 E.V / Time	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h	72h	100h	120h
1.85V/cell	727	602	483	402	249	191	157	134	118	94.8	78.6	42.1	13.1	10.0	8.51
1.80V/cell	808	645	508	420	260	199	162	138	121	97.2	80.0	42.8	13.3	10.2	8.67
1.75V/cell	871	682	534	440	270	207	166	142	124	99.1	81.4	43.6	13.6	10.4	8.81
1.70V/cell	/	716	554	454	281	214	171	145	127	101	82.8	44.2	13.8	10.5	8.97
1.67V/cell	/	752	577	470	290	218	176	148	129	103	83.9	44.9	14.0	10.7	9.09
1.60V/cell	/	777	593	482	296	221	180	152	132	104	85.0	45.4	14.1	10.8	9.21

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

终止电压/时间 E.V / Time	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h	72h	100h	120h
1.85V/cell	1388	1161	942	786	491	378	311	267	236	190	158	85.9	26.7	20.5	17.4
1.80V/cell	1526	1233	982	818	510	393	320	274	241	194	160	87.2	27.2	20.8	17.7
1.75V/cell	1628	1294	1027	852	528	407	328	280	245	197	163	88.5	27.6	21.1	17.9
1.70V/cell	/	1346	1057	876	547	418	336	286	251	201	166	89.8	28.0	21.4	18.3
1.67V/cell	/	1405	1097	903	563	424	345	292	255	204	168	91.0	28.3	21.7	18.5
1.60V/cell	/	1440	1118	918	569	428	350	297	259	206	169	91.9	28.6	21.9	18.7

ISO9001

ISO14001

OHSAS18001

IEC

ROHS



Tianneng Battery Group Co., Ltd.

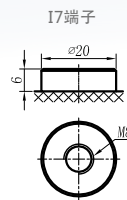
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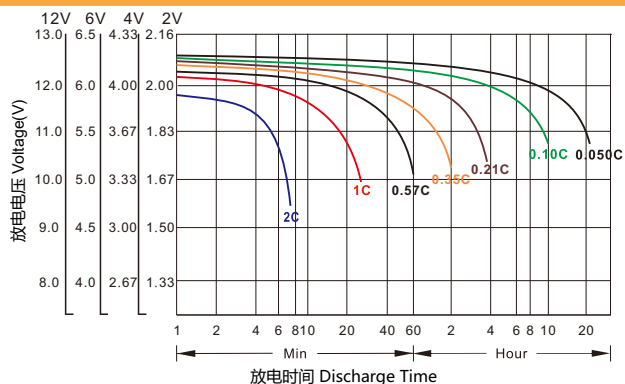
Shanghai Tianneng Battery Group Co., Ltd. Tianneng without notice

## 外形尺寸 Battery Dimensions(mm)

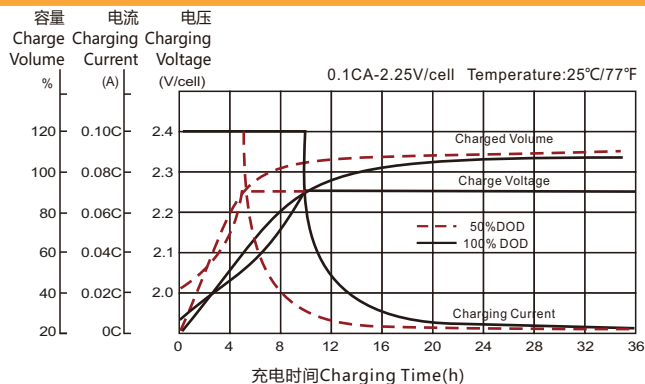


## 电性能 Electrical Characteristics

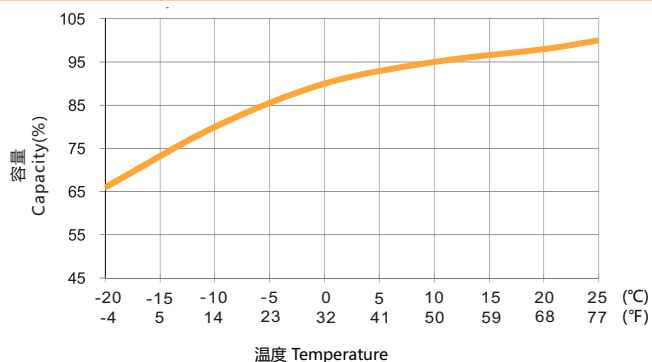
### 不同倍率放电特性 Discharge Characteristics(25°C/77°F)



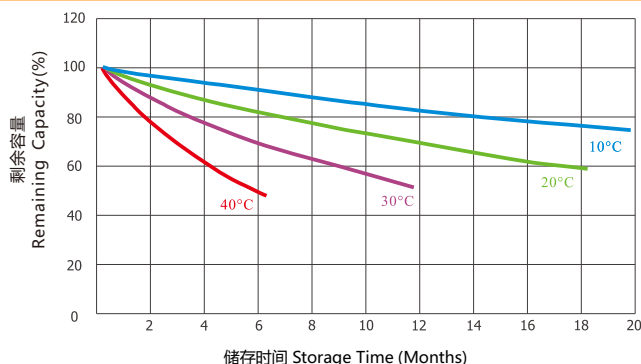
### 充电特性曲线 Charging Characteristics



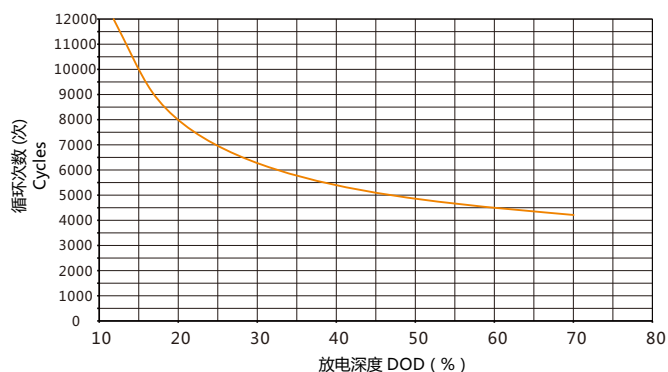
### 电池容量曲线 Capacity vs Temperature



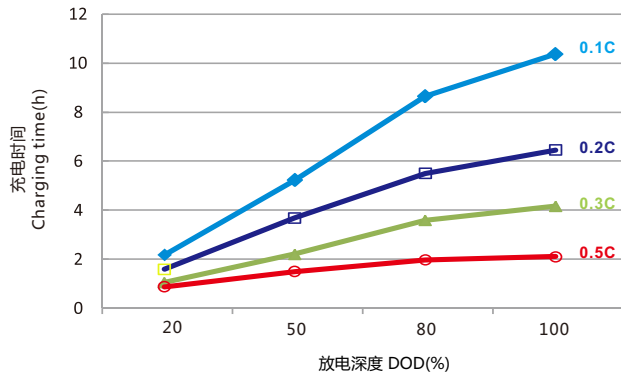
### 自放电曲线 Self-discharge vs Time



### 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:  $\leq 0.3C_{10}A$   
Limited current:  $\leq 0.3C_{10}A$

### 快速充电 Fast Charge

恒压 Constant voltage: 2.30~2.40V@25°C(77°F)  
温度补偿系数 Temp.Coefficient: -4mV/°C

### 浮充电 Float Charge

恒压 Constant voltage: 2.20~2.30V@25°C(77°F)  
温度补偿系数 Temp.Coefficient: -3mV/°C