



# TNE 12-8.0 (12V8.0Ah)

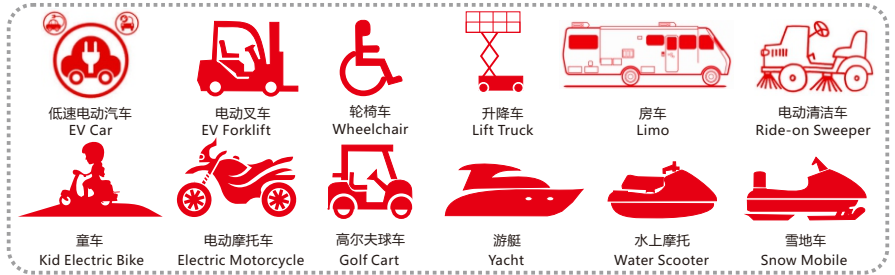
启动时最大电流 < 6.75A  
Starting Current(Max.) < 6.75A

时速最大时电流 < 2.25A  
Current @Max. Speed < 2.25A

可配置12V25W以下电机  
Configure 12V(≤25W) motor



## 应用领域 Product Applications



## 产品特性 Product Specifications

额定电压 Nominal Voltage	额定容量 Rated Capacity(20hr)	推荐使用温度范围 Operating Temp. Range	不同温度下的容量 Capacity Effected by Temp.	存放容量@25°C/77°F Capacity vs Storage Time
12V	8.0Ah@25°C (77°F, 1.80V/cell)	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)	+40°C(104°F): 106% +25°C(77°F): 100% 0°C(32°F): 85% -15°C(5°F): 65%	3个月(three months): 90% 6个月(six months): 80% 9个月(nine months): 60%

## 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FR ABS UL94-V0)	T1/T2	151±2mm (5.94 inch.)	65.5±1mm (2.58 inch.)	93.5±2mm (3.68 inch.)	99.5±2mm (3.92 inch.)	2.57 kg (5.67 lbs)

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

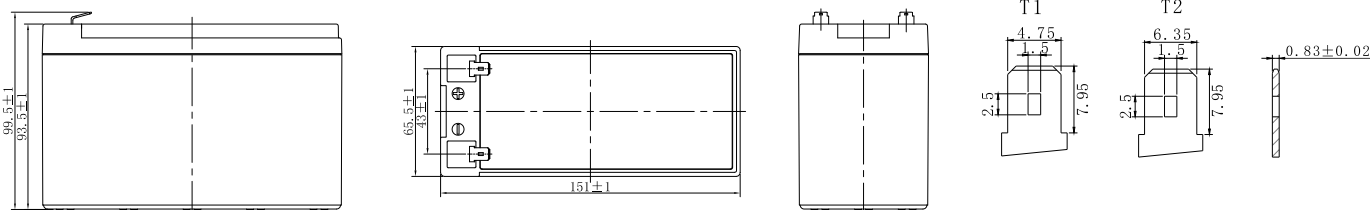
终止电压/时间	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	25.41	17.33	14.75	12.13	8.92	6.37	5.04	3.01	2.07	1.57	1.29	1.09	0.85	0.75	0.39
1.80V/cell	27.44	18.06	15.12	12.43	9.21	6.53	5.19	3.08	2.12	1.61	1.31	1.11	0.87	0.77	0.40
1.75V/cell	29.01	18.90	15.52	12.73	9.49	6.80	5.39	3.17	2.17	1.66	1.36	1.15	0.90	0.79	0.41
1.70V/cell	29.85	19.36	16.05	13.05	9.72	6.97	5.57	3.25	2.22	1.71	1.40	1.18	0.93	0.80	0.41
1.68V/cell	30.40	19.96	16.42	13.37	9.93	7.20	5.77	3.32	2.28	1.75	1.43	1.22	0.95	0.82	0.42
1.60V/cell	31.19	20.79	17.00	13.81	10.19	7.39	5.88	3.42	2.35	1.81	1.47	1.25	0.98	0.84	0.43

## 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/cell	47.32	32.52	27.90	23.21	17.24	12.41	9.88	5.94	4.09	3.13	2.56	2.17	1.70	1.49	0.79
1.80V/cell	50.42	33.45	28.29	23.52	17.61	12.63	10.11	6.05	4.18	3.19	2.61	2.21	1.74	1.54	0.80
1.75V/cell	52.05	34.37	28.65	23.84	17.99	13.06	10.44	6.19	4.27	3.27	2.69	2.28	1.79	1.57	0.81
1.70V/cell	52.20	34.55	29.29	24.20	18.28	13.32	10.75	6.31	4.35	3.35	2.76	2.34	1.85	1.60	0.82
1.68V/cell	52.40	35.24	29.65	24.67	18.56	13.69	11.09	6.43	4.45	3.42	2.82	2.40	1.89	1.62	0.84
1.60V/cell	52.53	35.78	30.20	25.14	18.90	13.94	11.21	6.57	4.56	3.52	2.88	2.45	1.93	1.66	0.85

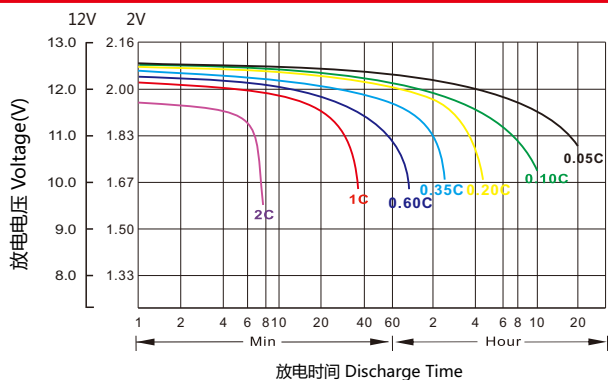


## 外形尺寸 Battery Dimensions(mm)

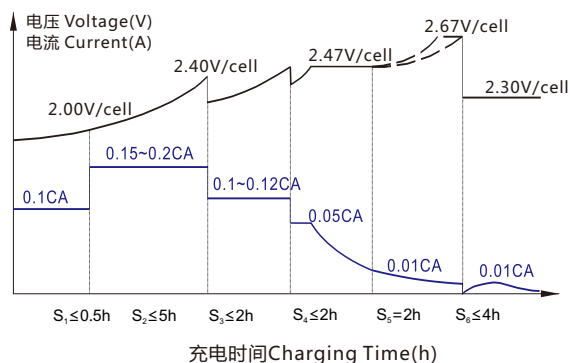


## 电性能 Electrical Characteristics

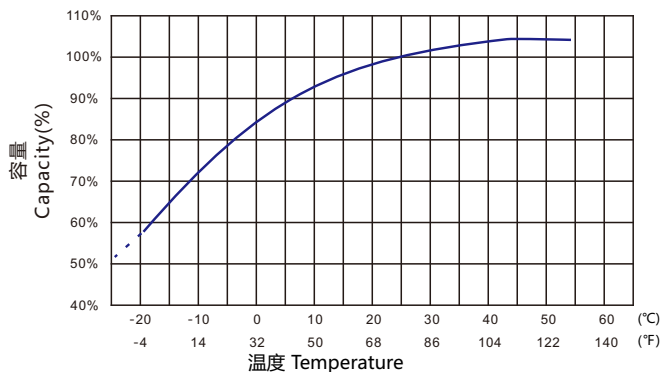
### 不同倍率放电特性 Discharge Characteristics(25°C)



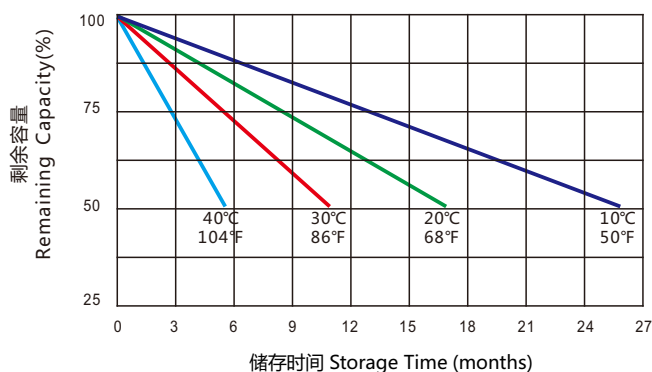
### 充电特性曲线 Charging Characteristics(25°C)



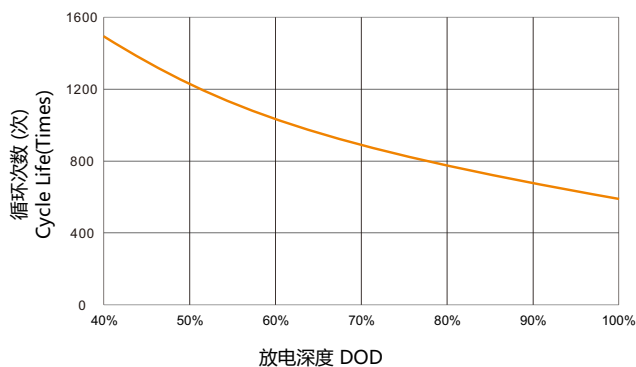
### 电池容量曲线 Capacity vs Temperature



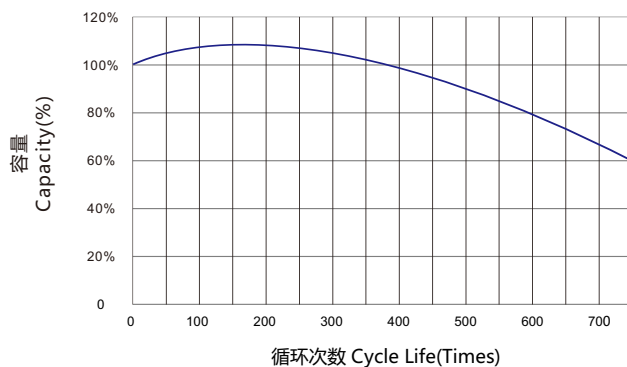
### 自放电曲线 Self-discharge vs Time



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



### 循环次数与容量 Cycle Life vs Capacity@25°C(77°F)



### 充电电流 Charge Current

限流:  $\leq 0.3CA$   
Limited current:  $\leq 0.3CA$

### 快速充电 Fast Charge

15.0~16.0V@25°C(77°F)  
温度补偿系数 Temp.Coefficient:  $-30mV/^{\circ}C$

### 浮充充电 Float Charge

13.5~13.8V@25°C(77°F)  
温度补偿系数 Temp.Coefficient:  $-20mV/^{\circ}C$