



# TNE 12-8.5 (12V8.5Ah)

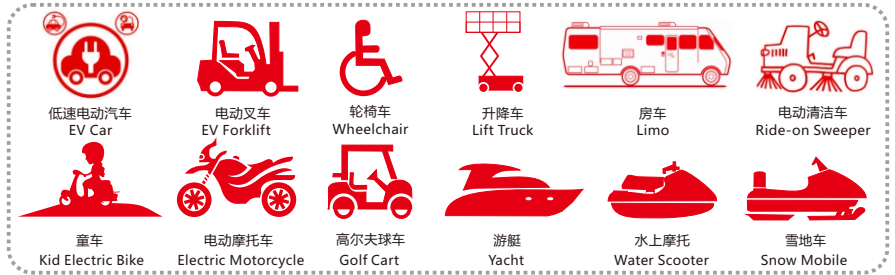
启动时最大电流 < 6.75A  
Starting Current(Max.) < 6.75A

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	8.5Ah@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.)	2.45 kg (5.40 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	26.99	18.41	15.67	12.88	9.47	6.76	5.36	3.20	2.19	1.67	1.37	1.15	0.90	0.79	0.42
1.80V/cell	29.15	19.19	16.07	13.20	9.78	6.94	5.51	3.28	2.25	1.71	1.40	1.18	0.93	0.82	0.43
1.75V/cell	30.82	20.07	16.49	13.52	10.08	7.22	5.73	3.37	2.31	1.76	1.45	1.22	0.96	0.84	0.43
1.70V/cell	31.71	20.56	17.05	13.87	10.32	7.41	5.91	3.45	2.36	1.81	1.49	1.26	0.99	0.85	0.44
1.68V/cell	32.29	21.20	17.44	14.21	10.55	7.65	6.13	3.53	2.42	1.86	1.52	1.29	1.01	0.87	0.45
1.60V/cell	33.13	22.09	18.06	14.67	10.83	7.85	6.25	3.63	2.50	1.92	1.56	1.33	1.04	0.89	0.45

## 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	50.27	34.55	29.64	24.66	18.32	13.19	10.49	6.31	4.35	3.33	2.72	2.30	1.80	1.59	0.84
1.80V/cell	53.57	35.54	30.05	24.98	18.70	13.42	10.74	6.42	4.44	3.39	2.77	2.35	1.85	1.63	0.85
1.75V/cell	55.30	36.51	30.43	25.33	19.11	13.87	11.09	6.57	4.54	3.47	2.86	2.43	1.90	1.66	0.86
1.70V/cell	55.45	36.70	31.12	25.71	19.42	14.15	11.41	6.71	4.62	3.56	2.93	2.48	1.96	1.70	0.87
1.68V/cell	55.66	37.44	31.50	26.21	19.72	14.54	11.78	6.83	4.73	3.64	2.99	2.55	2.00	1.72	0.89
1.60V/cell	55.80	38.02	32.08	26.71	20.08	14.80	11.91	6.98	4.84	3.73	3.06	2.60	2.05	1.76	0.90

IEC

ISO9001

ISO14001

OHSAS18001



Tianneng Battery Group Co., Ltd.

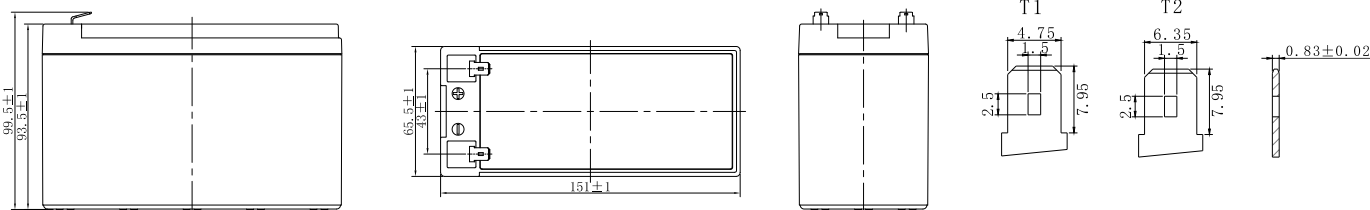
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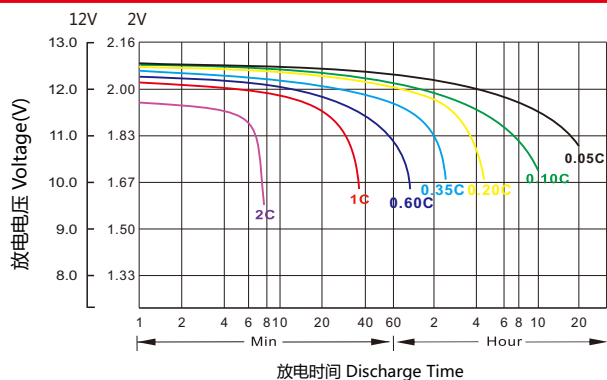
Specifications subject to change without notice

## 外形尺寸 Battery Dimensions(mm)

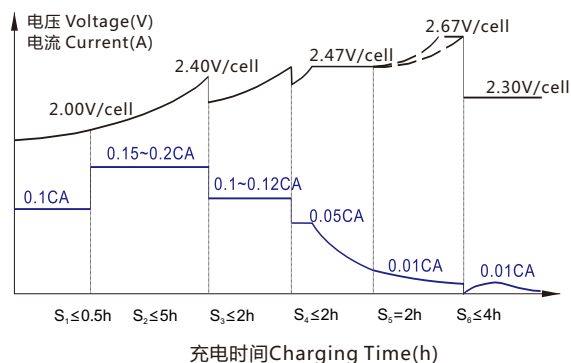


## 电性能 Electrical Characteristics

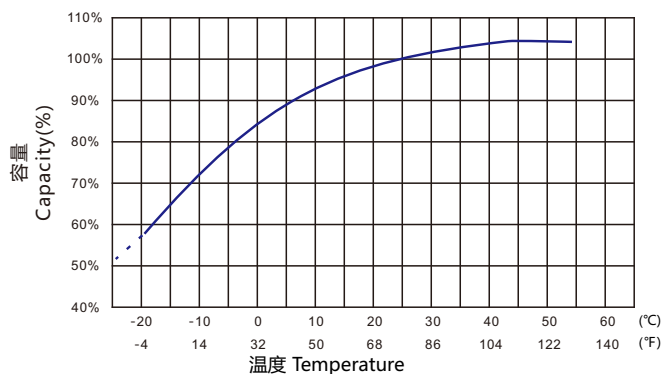
### 不同倍率放电特性 Discharge Characteristics(25°C)



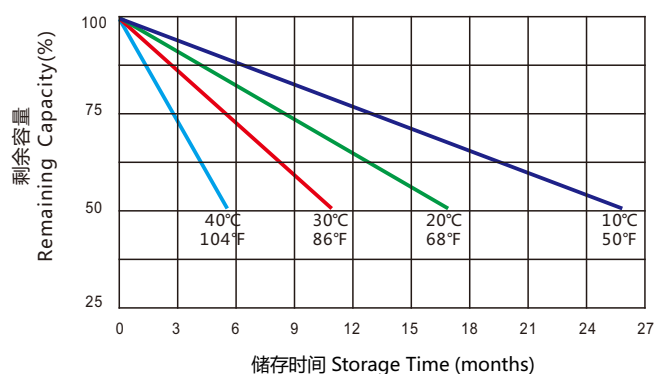
### 充电特性曲线 Charging Characteristics(25°C)



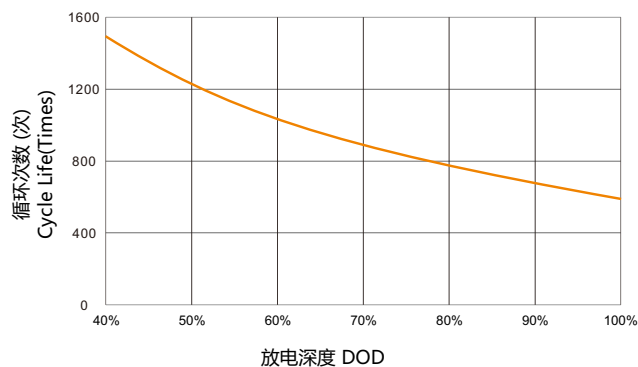
### 电池容量曲线 Capacity vs Temperature



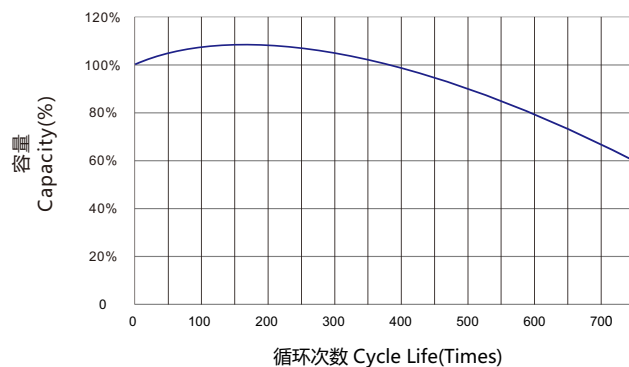
### 自放电曲线 Self-discharge vs Time



### 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:  $-20mV/^{\circ}C$