



天能电池
TIANNENG BATTERY

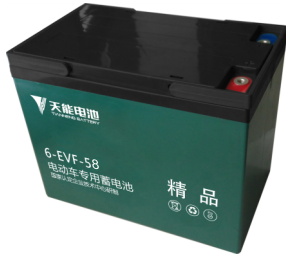
6-EVF-58 (12V58Ah)

高性能设计
High performance

AGM技术
AGM separator

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

80%放电循环
400~600次
80%DOD
400~600cycles



应用领域 Product Applications



电动摩托车
Electric Motorcycle



电动车
Electric Bicycle



电动三轮车
Electro-tricycle



童车
Kid Electric Bike



高尔夫球包车
Golf Trolley



代步车
Scooter

产品特性 Product Specifications

额定电压 Nominal Voltage	额定容量 Rated Capacity(3hr)	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	58Ah@25°C (77°F, 1.75V/cell)	放电 Discharge: -20~+55°C (-4~131°F) 充电 Charge: 0~+40°C (32~104°F) 储存 Storage: -20~+50°C (-4~122°F) 最佳 Optimum: 25±3°C (77±5°F)	+ 4 0°C (1 0 4°F): 1 0 2 % + 3 0°C (8 6°F): 1 0 0 % 0 °C (3 2 °F): 8 5 % - 1 5°C (5 °F): 7 5 %	3个月(three month): 90 % 6个月(six months): 80 % 9个月(nine months): 65 %

物理特性 Physical Specifications

材料 Material	尺寸 Dimensions				重量 Weight
ABS UL94-HB (阻燃 ABS UL94-V0)	长 Length	宽 Width	高 Height	总高 TH	16.5kg (36.4lbs)
	224±3mm (8.82 inch.)	150±2mm (5.91 inch.)	178±2mm (7.01 inch.)	178±2mm (7.01 inch.)	

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

终止电压/时间 F.V / Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	210.9	151.2	121.4	100.6	75.4	61.7	45.0	25.8	18.6	14.4	11.7	9.77	7.40	5.98	3.13
1.80V/cell	227.7	164.0	126.7	103.5	77.2	62.8	45.8	26.1	18.9	14.6	11.8	9.88	7.50	6.07	3.20
1.75V/cell	240.8	169.9	131.0	106.1	78.8	64.0	46.5	26.4	19.1	14.7	11.8	9.94	7.53	6.10	3.21
1.70V/cell	247.7	174.1	133.7	108.5	80.2	64.9	47.1	26.7	19.2	14.7	11.9	9.99	7.57	6.12	3.22
1.67V/cell	252.3	177.9	136.3	111.0	81.7	66.0	47.7	26.9	19.3	14.8	11.9	10.0	7.59	6.13	3.22
1.60V/cell	258.8	181.0	139.4	113.4	83.8	67.0	48.1	27.3	19.5	14.9	12.0	10.0	7.61	6.14	3.22

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	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	392.7	286.6	232.7	194.8	148.5	122.2	89.5	51.5	37.3	28.9	23.4	19.6	14.8	12.0	6.27
1.80V/cell	418.4	310.0	242.7	200.2	152.0	124.5	91.1	52.2	37.8	29.1	23.6	19.8	15.0	12.1	6.39
1.75V/cell	432.0	320.2	250.6	205.0	155.1	126.8	92.5	52.7	38.2	29.3	23.7	19.9	15.1	12.2	6.41
1.70V/cell	434.3	327.3	255.4	209.4	157.6	128.5	93.6	53.3	38.4	29.4	23.8	19.9	15.1	12.2	6.44
1.67V/cell	434.8	333.5	260.2	214.1	160.4	130.4	94.7	53.6	38.6	29.5	23.8	20.0	15.1	12.2	6.43
1.60V/cell	440.8	338.2	265.8	218.6	164.2	132.2	95.4	54.3	38.7	29.6	23.9	20.0	15.2	12.3	6.43

ISO9001

ISO14001

OHSAS18001

IEC

ROHS



MH61820

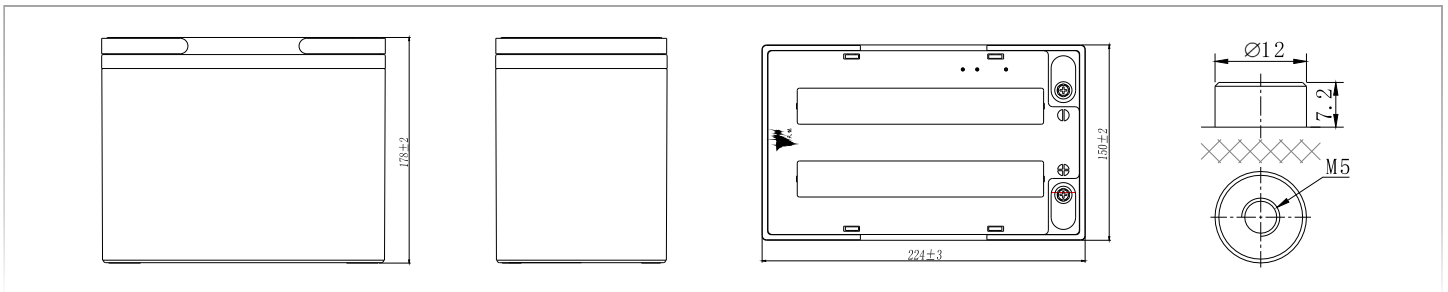


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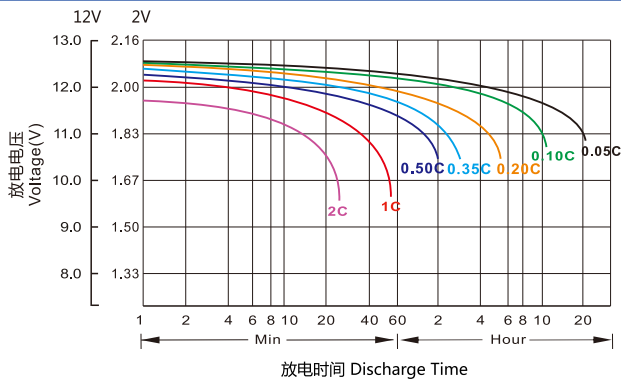
[Http://www.tiannenggroup.com](http://www.tiannenggroup.com)

外形尺寸 Battery Dimensions(mm)

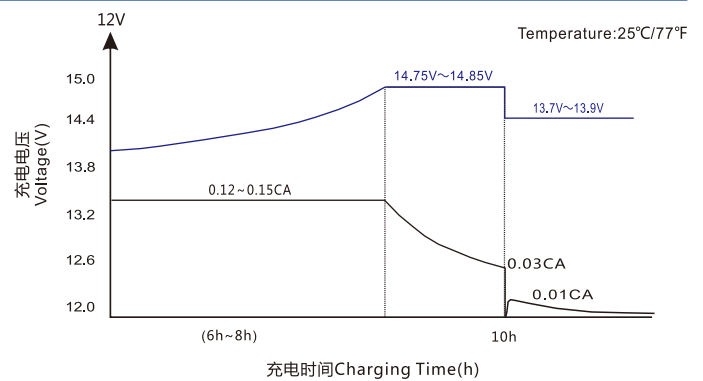


电性能 Electrical Characteristics

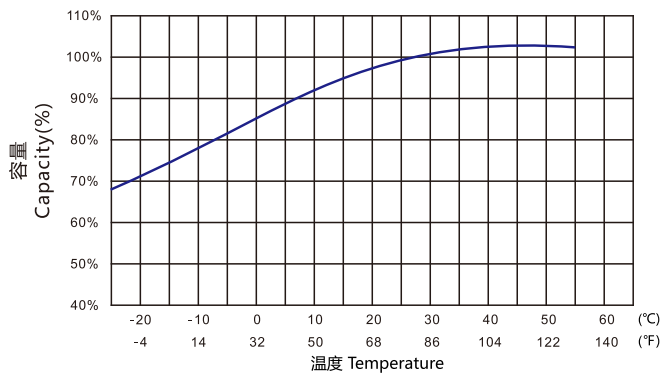
不同倍率放电特性 Discharge Characteristics(25°C/77°F)



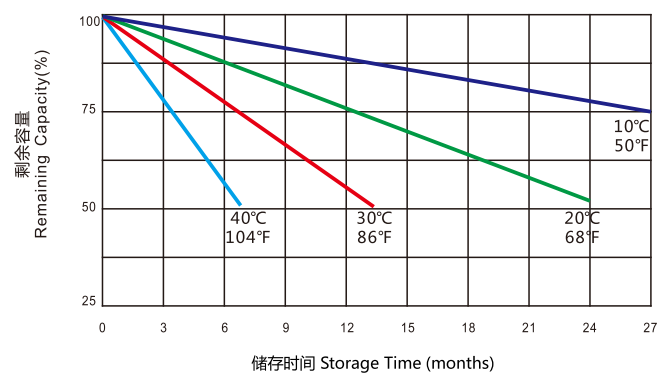
充电特性曲线 Charging Characteristics



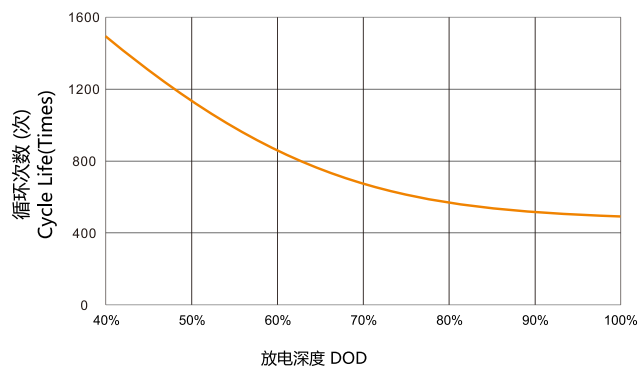
电池容量曲线 Capacity vs Temperature



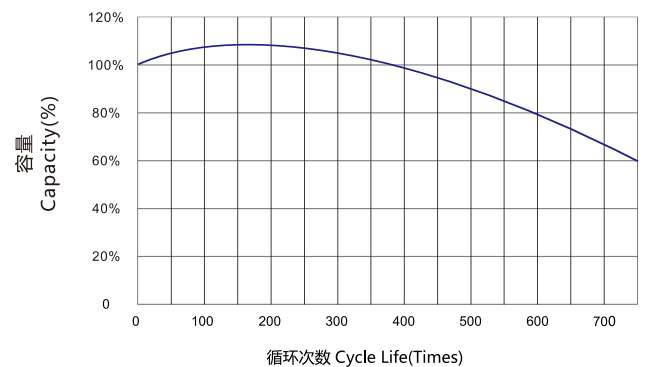
自放电曲线 Self-discharge vs Time



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



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



充电电流 Charge Current	快速充电 Fast Charge	浮充充电 Float Charge
限流: ≤0.3CA Limited current: ≤0.3CA	恒压 Constant voltage: 14.80V@25°C(77°F) 温度补偿系数 Temp. Coefficient: -30mV/°C	恒压 Constant voltage: 13.80V@25°C(77°F) 温度补偿系数 Temp. Coefficient: -18mV/°C