



天能电池
TIANNENG BATTERY

6-EVF-32A (12V32Ah)

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	32Ah@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	9.95kg (21.9lbs)
	267±3mm (10.5 inch.)	77±2mm (3.03 inch.)	170±2mm (6.69 inch.)	175±2mm (6.89 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	116.2	83.3	66.9	55.4	41.5	34.0	24.8	14.2	10.3	7.94	6.43	5.38	4.08	3.29	1.72
1.80V/cell	125.5	90.4	69.8	57.0	42.5	34.6	25.2	14.4	10.4	8.02	6.49	5.44	4.13	3.34	1.76
1.75V/cell	132.6	93.6	72.2	58.5	43.4	35.3	25.6	14.6	10.5	8.08	6.53	5.48	4.15	3.36	1.77
1.70V/cell	136.4	95.9	73.6	59.8	44.2	35.8	26.0	14.7	10.6	8.12	6.56	5.50	4.17	3.37	1.77
1.67V/cell	139.0	98.0	75.1	61.1	45.0	36.3	26.3	14.8	10.7	8.15	6.58	5.52	4.18	3.38	1.77
1.60V/cell	142.6	99.7	76.8	62.5	46.2	36.9	26.5	15.0	10.7	8.18	6.60	5.53	4.19	3.38	1.77

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	216.3	157.9	128.2	107.3	81.8	67.3	49.3	28.3	20.5	15.9	12.9	10.8	8.16	6.59	3.45
1.80V/cell	230.5	170.8	133.7	110.3	83.7	68.6	50.2	28.8	20.8	16.0	13.0	10.9	8.26	6.69	3.52
1.75V/cell	237.9	176.4	138.0	112.9	85.4	69.9	51.0	29.1	21.0	16.1	13.0	10.9	8.29	6.71	3.53
1.70V/cell	239.2	180.3	140.7	115.4	86.8	70.8	51.6	29.3	21.2	16.2	13.1	11.0	8.33	6.74	3.54
1.67V/cell	239.5	183.7	143.4	117.9	88.3	71.8	52.2	29.5	21.2	16.3	13.1	11.0	8.34	6.74	3.54
1.60V/cell	242.8	186.3	146.4	120.4	90.4	72.8	52.6	29.9	21.3	16.3	13.1	11.0	8.36	6.75	3.54

ISO9001

ISO14001

OHSAS18001

IEC

ROHS



MH61820

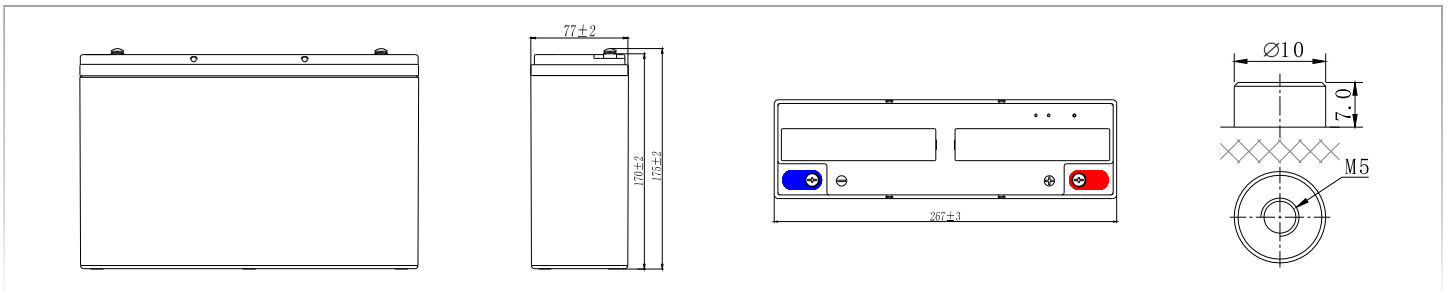


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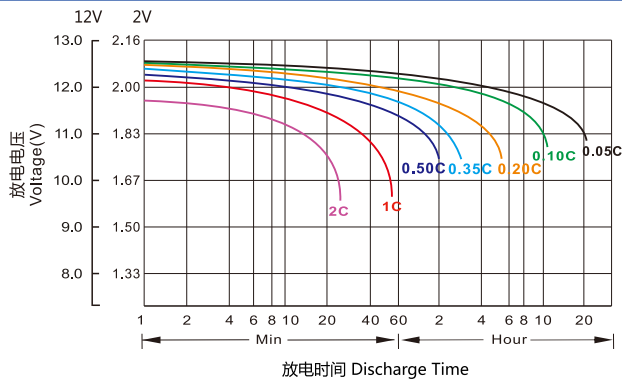
Http://www.tiannenggroup.com

外形尺寸 Battery Dimensions(mm)

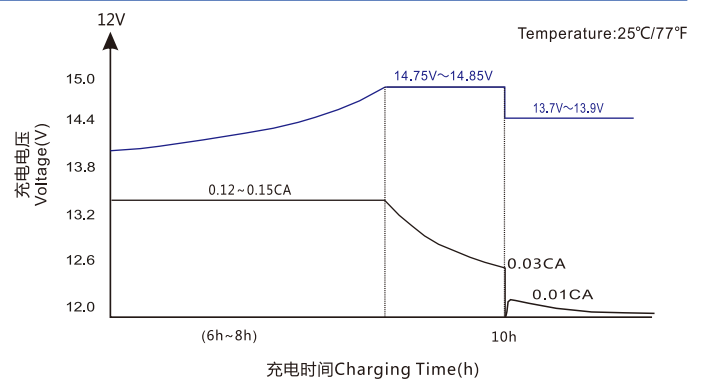


电性能 Electrical Characteristics

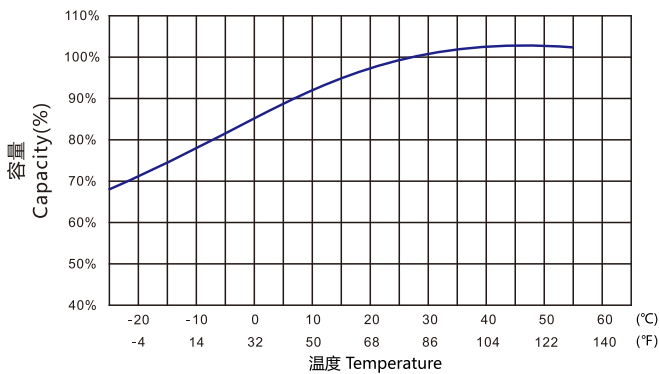
不同倍率放电特性 Discharge Characteristics(25°C/77°F)



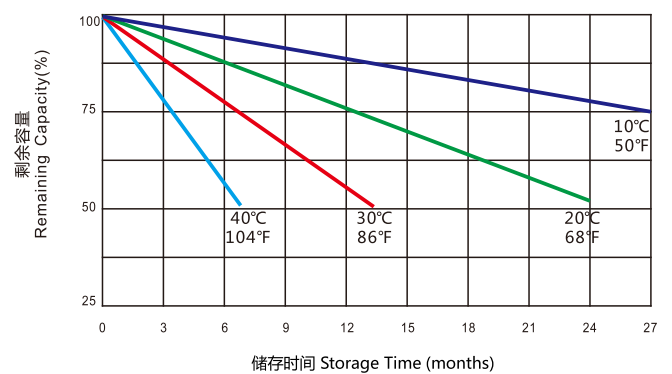
充电特性曲线 Charging Characteristics



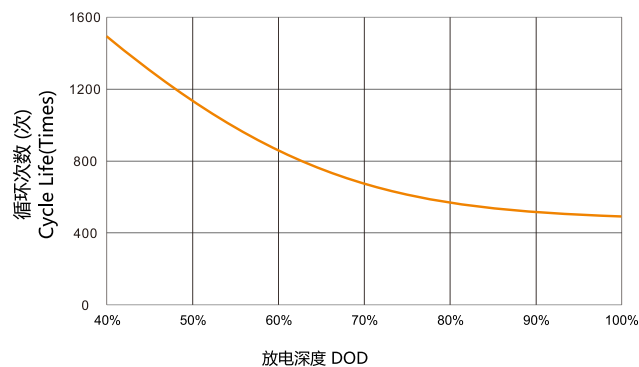
电池容量曲线 Capacity vs Temperature



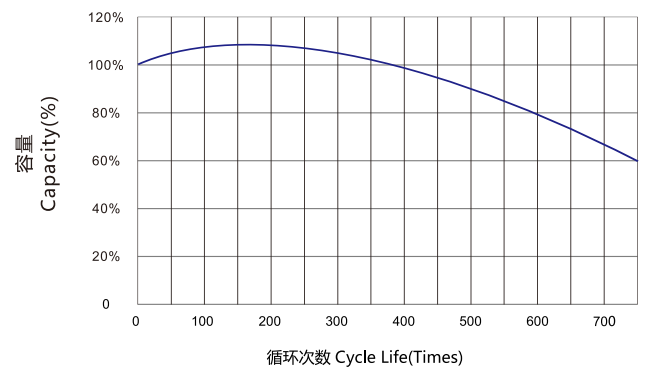
自放电曲线 Self-discharge vs Time



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