

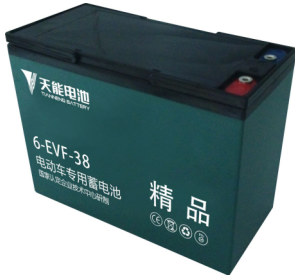


高性能设计
High performance

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	38Ah@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
	长 Length	宽 Width	高 Height	总高 TH	
ABS UL94-HB (阻燃 ABS UL94-V0)	222±3mm (8.74 inch.)	106±2mm (4.17 inch.)	171±2mm (6.73 inch.)	171±2mm (6.73 inch.)	11.5kg (25.4lbs)

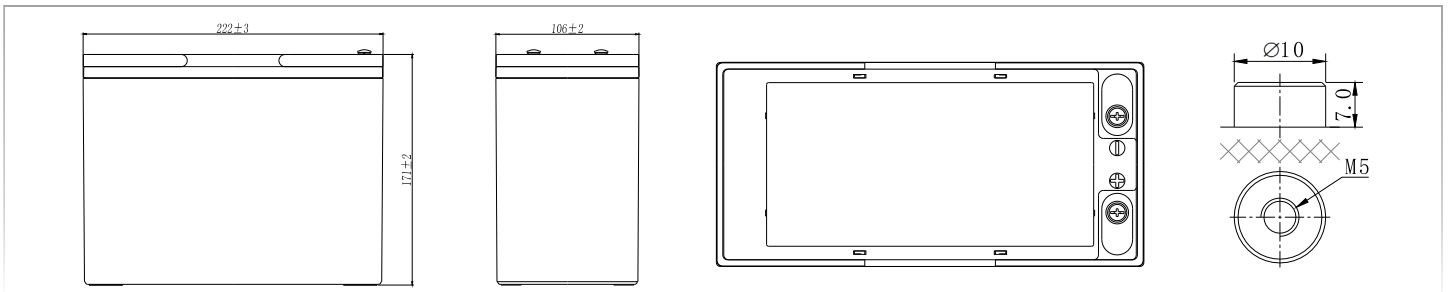
恒流放电参数 Constant Current Discharge(A)@25°C(77°F)

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	138.3	99.2	79.6	66.0	49.4	40.4	29.5	16.9	12.2	9.45	7.65	6.41	4.85	3.92	2.05
1.80V/cell	149.3	107.5	83.1	67.9	50.6	41.2	30.0	17.1	12.4	9.55	7.72	6.48	4.92	3.98	2.10
1.75V/cell	157.9	111.4	85.9	69.6	51.7	42.0	30.5	17.3	12.5	9.62	7.77	6.52	4.94	4.00	2.10
1.70V/cell	162.4	114.2	87.6	71.2	52.6	42.6	30.9	17.5	12.6	9.67	7.81	6.55	4.97	4.02	2.11
1.67V/cell	165.4	116.6	89.4	72.8	53.6	43.2	31.3	17.6	12.7	9.71	7.83	6.57	4.98	4.02	2.11
1.60V/cell	169.7	118.7	91.4	74.4	54.9	43.9	31.6	17.9	12.8	9.74	7.85	6.58	4.99	4.03	2.11

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

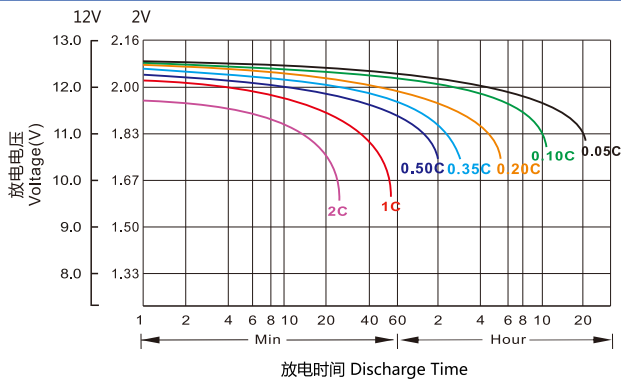
终止电压/时间 F.V / Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	257.5	187.9	152.6	127.7	97.4	80.2	58.7	33.7	24.5	18.9	15.3	12.8	9.72	7.85	4.11
1.80V/cell	274.4	203.3	159.1	131.3	99.7	81.6	59.7	34.2	24.8	19.1	15.4	13.0	9.84	7.96	4.19
1.75V/cell	283.2	210.0	164.3	134.4	101.7	83.2	60.7	34.6	25.0	19.2	15.5	13.0	9.87	7.99	4.20
1.70V/cell	284.7	214.6	167.5	137.3	103.4	84.3	61.4	34.9	25.2	19.3	15.6	13.1	9.91	8.02	4.22
1.67V/cell	285.1	218.7	170.6	140.4	105.1	85.5	62.1	35.1	25.3	19.3	15.6	13.1	9.93	8.03	4.22
1.60V/cell	289.0	221.7	174.3	143.3	107.7	86.7	62.6	35.6	25.4	19.4	15.6	13.1	9.95	8.04	4.22

外形尺寸 Battery Dimensions(mm)

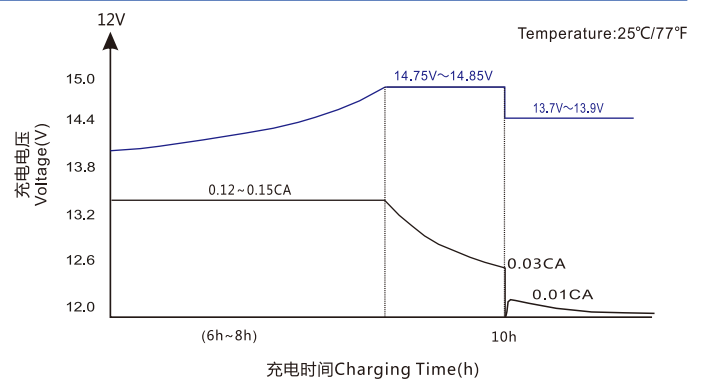


电性能 Electrical Characteristics

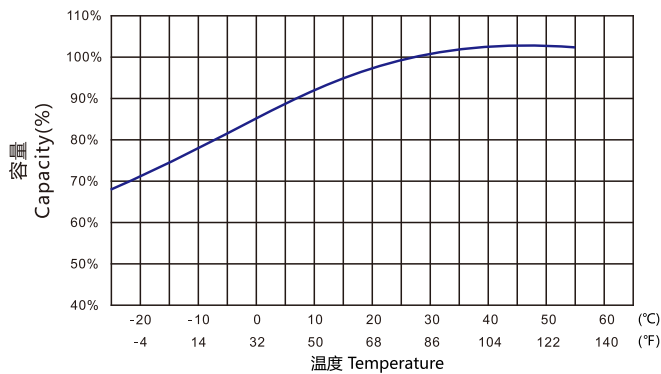
不同倍率放电特性 Discharge Characteristics(25°C/77°F)



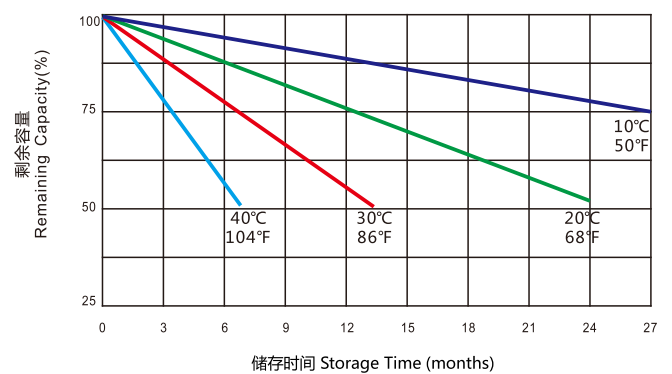
充电特性曲线 Charging Characteristics



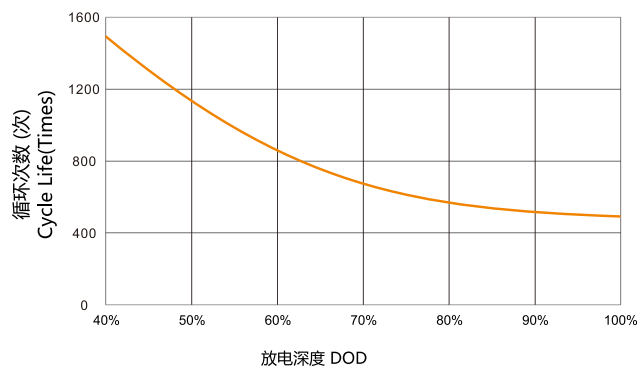
电池容量曲线 Capacity vs Temperature



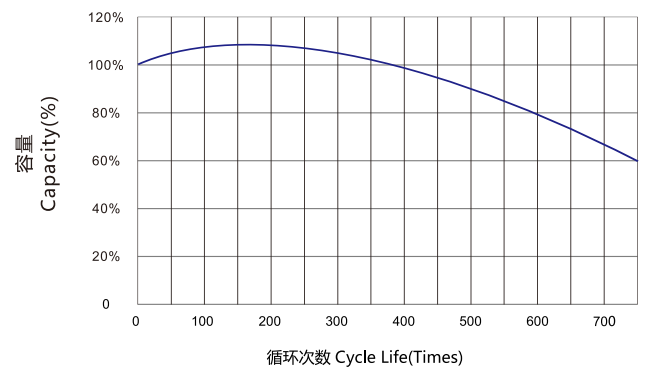
自放电曲线 Self-discharge vs Time



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