

高性能设计
High performance

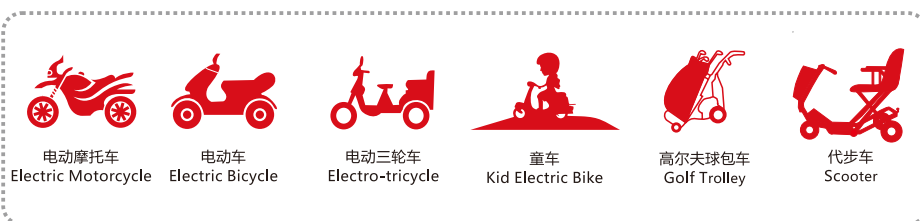
AGM技术
AGM separator

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



产品特性 Product Specifications

额定电压 Nominal Voltage	额定容量 Rated Capacity(2hr)	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	20Ah@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	6.80kg (15.0lbs)
	181±3mm (7.13 inch.)	77±2mm (3.03 inch.)	169±2mm (6.65 inch.)	175±2mm (6.89 inch.)	

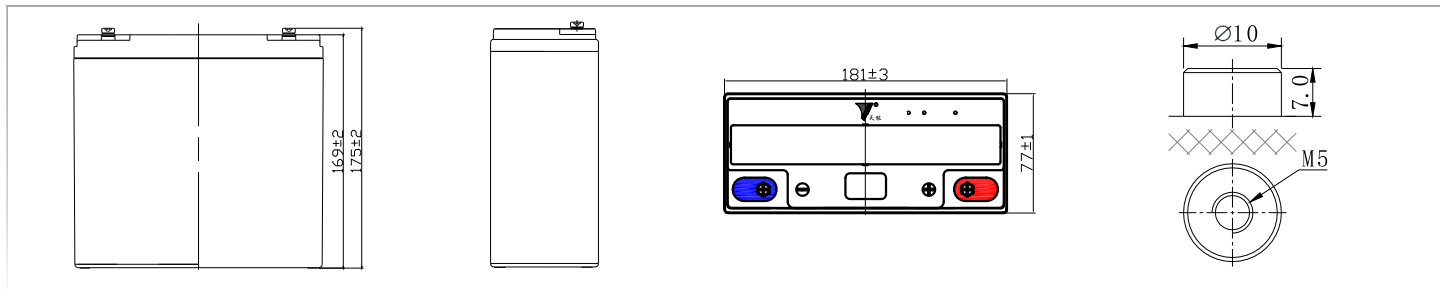
恒流放电参数 Constant Current Discharge(A)@25°C(77°F)

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	79.9	57.3	46.0	38.1	28.5	23.4	17.0	9.75	7.06	5.46	4.42	3.70	2.80	2.26	1.19
1.80V/cell	86.2	62.1	48.0	39.2	29.2	23.8	17.3	9.90	7.16	5.51	4.46	3.74	2.84	2.30	1.21
1.75V/cell	91.2	64.3	49.6	40.2	29.8	24.3	17.6	10.0	7.24	5.55	4.49	3.76	2.85	2.31	1.21
1.70V/cell	93.8	65.9	50.6	41.1	30.4	24.6	17.8	10.1	7.28	5.58	4.51	3.78	2.87	2.32	1.22
1.67V/cell	95.5	67.4	51.6	42.0	30.9	25.0	18.1	10.2	7.32	5.61	4.52	3.79	2.87	2.32	1.22
1.60V/cell	98.0	68.6	52.8	43.0	31.7	25.4	18.2	10.3	7.37	5.63	4.53	3.80	2.88	2.33	1.22

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

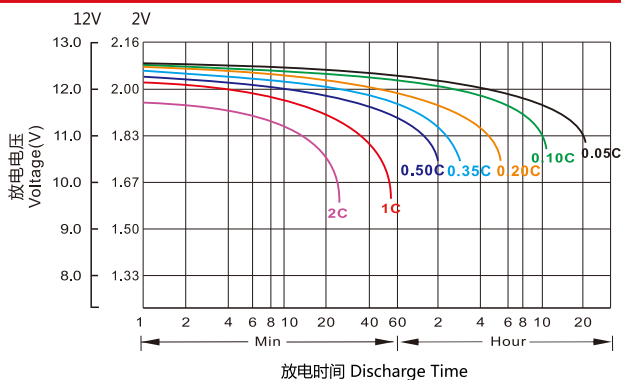
终止电压/时间 F.V / Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	148.7	108.5	88.1	73.8	56.2	46.3	33.9	19.5	14.1	10.9	8.84	7.41	5.61	4.53	2.37
1.80V/cell	158.5	117.4	91.9	75.8	57.6	47.2	34.5	19.8	14.3	11.0	8.92	7.49	5.68	4.60	2.42
1.75V/cell	163.6	121.3	94.9	77.6	58.7	48.0	35.0	20.0	14.5	11.1	8.97	7.53	5.70	4.62	2.43
1.70V/cell	164.5	124.0	96.7	79.3	59.7	48.7	35.5	20.2	14.5	11.1	9.00	7.55	5.73	4.63	2.44
1.67V/cell	164.7	126.3	98.6	81.1	60.7	49.4	35.9	20.3	14.6	11.2	9.02	7.56	5.73	4.64	2.44
1.60V/cell	166.9	128.1	100.7	82.8	62.2	50.1	36.1	20.6	14.7	11.2	9.03	7.58	5.74	4.64	2.43

外形尺寸 Battery Dimensions(mm)

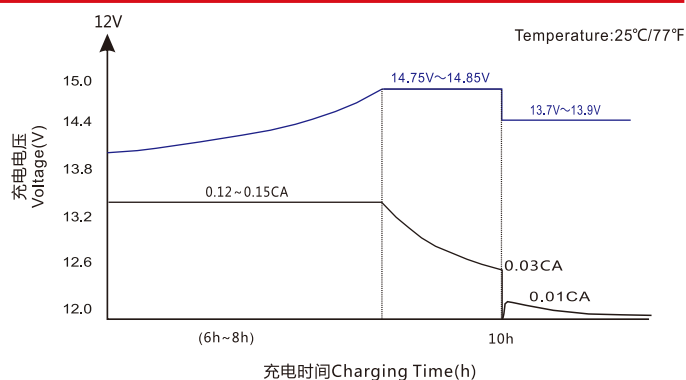


电性能 Electrical Characteristics

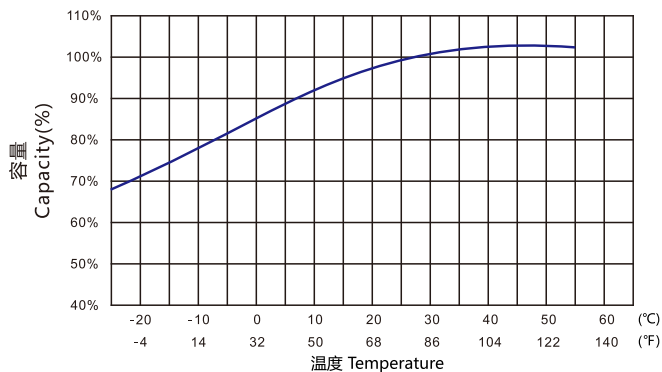
不同倍率放电特性 Discharge Characteristics(25°C/77°F)



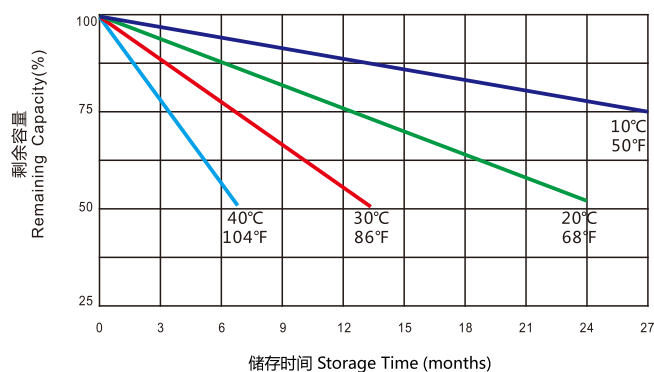
充电特性曲线 Charging Characteristics



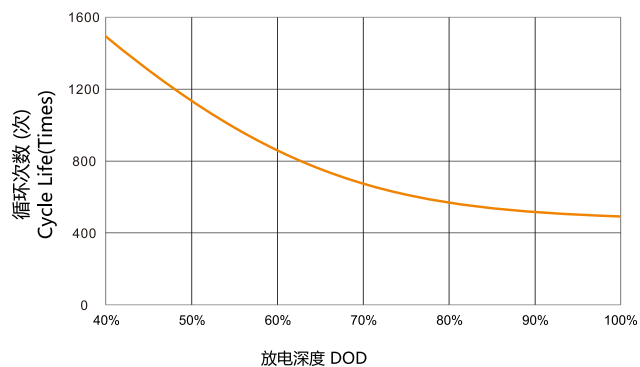
电池容量曲线 Capacity vs Temperature



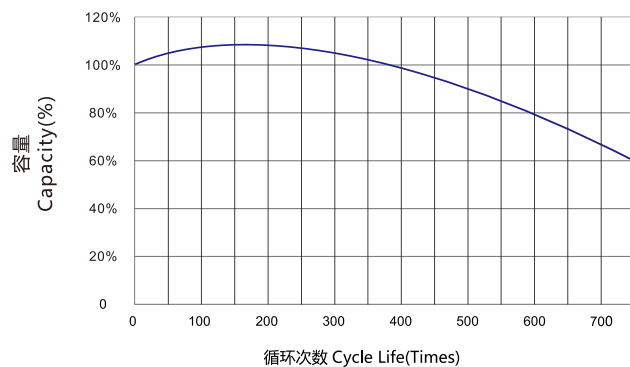
自放电曲线 Self-discharge vs Time



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