

高性能设计
High performance

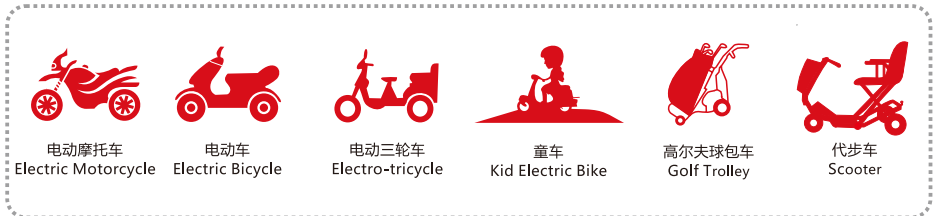
AGM技术
AGM separator

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
16V	10Ah@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)	151±3mm (5.94 inch.)	101±2mm (3.98 inch.)	109±2mm (4.29 inch.)	115±2mm (4.53 inch.)	4.90kg (10.8lbs)

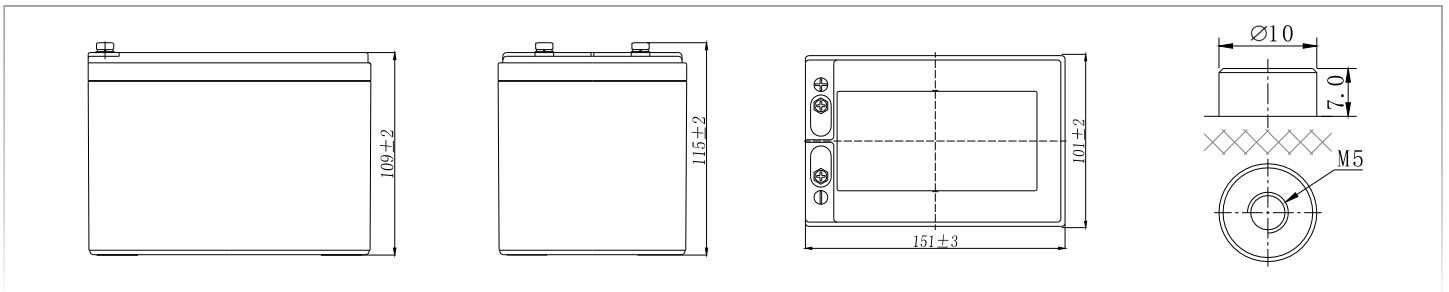
恒流放电参数 Constant Current Discharge(A)@25°C(77°F)

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	39.9	28.6	23.0	19.1	14.3	11.7	8.52	4.88	3.53	2.73	2.21	1.85	1.40	1.13	0.59
1.80V/cell	43.1	31.1	24.0	19.6	14.6	11.9	8.67	4.95	3.58	2.76	2.23	1.87	1.42	1.15	0.61
1.75V/cell	45.6	32.2	24.8	20.1	14.9	12.1	8.81	5.00	3.62	2.78	2.24	1.88	1.43	1.15	0.61
1.70V/cell	46.9	33.0	25.3	20.5	15.2	12.3	8.92	5.06	3.64	2.79	2.25	1.89	1.43	1.16	0.61
1.67V/cell	47.8	33.7	25.8	21.0	15.5	12.5	9.04	5.09	3.66	2.80	2.26	1.90	1.44	1.16	0.61
1.60V/cell	49.0	34.3	26.4	21.5	15.9	12.7	9.11	5.17	3.68	2.81	2.27	1.90	1.44	1.16	0.61

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

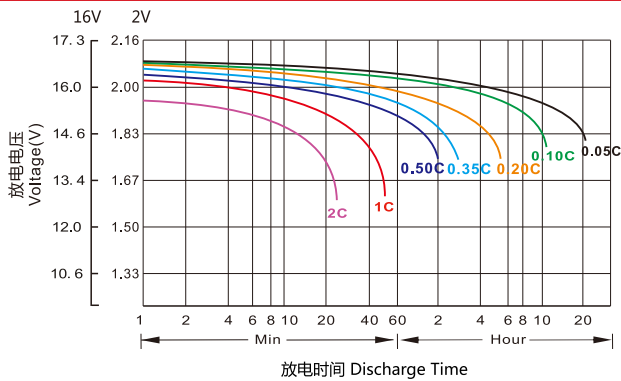
终止电压/时间 F.V / Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	74.4	54.3	44.1	36.9	28.1	23.1	17.0	9.74	7.06	5.46	4.42	3.70	2.81	2.27	1.19
1.80V/cell	79.2	58.7	46.0	37.9	28.8	23.6	17.3	9.88	7.16	5.52	4.46	3.74	2.84	2.30	1.21
1.75V/cell	81.8	60.6	47.4	38.8	29.4	24.0	17.5	9.99	7.23	5.55	4.48	3.76	2.85	2.31	1.21
1.70V/cell	82.2	62.0	48.4	39.7	29.9	24.3	17.7	10.1	7.27	5.57	4.50	3.78	2.86	2.32	1.22
1.67V/cell	82.3	63.2	49.3	40.5	30.4	24.7	17.9	10.1	7.30	5.59	4.51	3.78	2.87	2.32	1.22
1.60V/cell	83.5	64.0	50.3	41.4	31.1	25.0	18.1	10.3	7.33	5.60	4.52	3.79	2.87	2.32	1.22

外形尺寸 Battery Dimensions(mm)

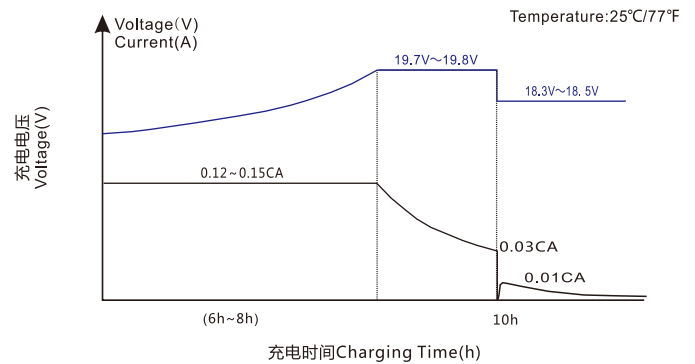


电性能 Electrical Characteristics

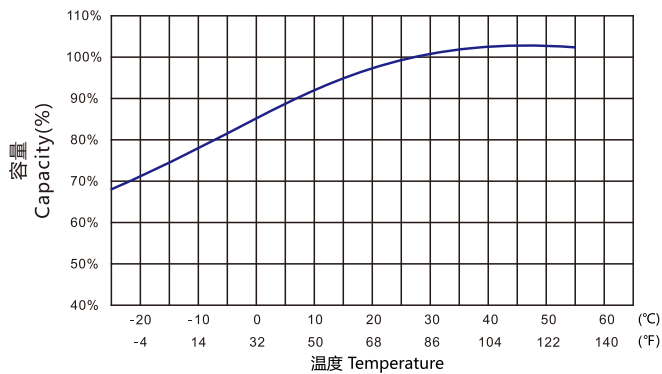
不同倍率放电特性 Discharge Characteristics(25°C/77°F)



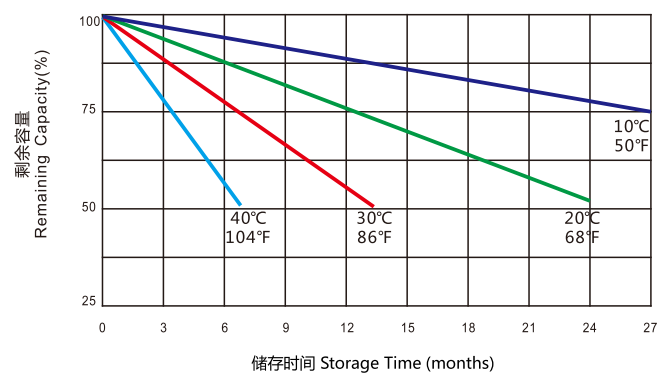
充电特性曲线 Charging Characteristics



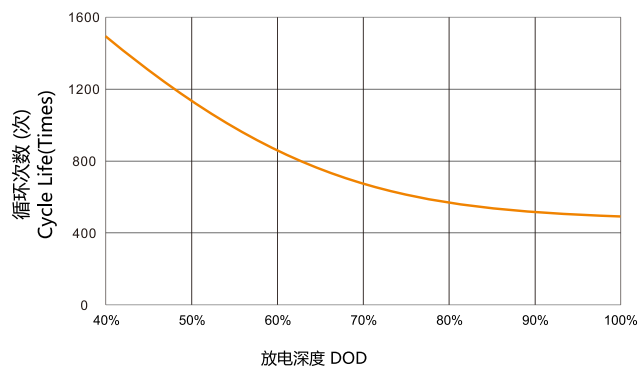
电池容量曲线 Capacity vs Temperature



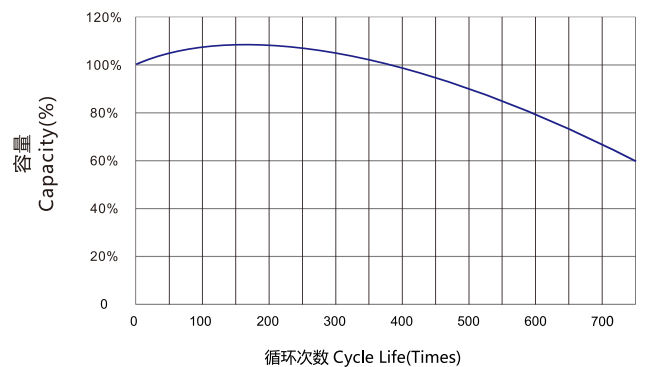
自放电曲线 Self-discharge vs Time



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

限流: ≤0.3CA
Limited current: ≤0.3CA

快速充电 Fast Charge

恒压 Constant voltage: 19.75V@25°C(77°F)
温度补偿系数 Temp. Coefficient: -30mV/°C

浮充充电 Float Charge

恒压 Constant voltage: 18.4V@25°C(77°F)
温度补偿系数 Temp. Coefficient: -18mV/°C