



Pb-C技术 Lead Carbon technology	AGM技术 AGM separator	多元稀土合金 Multi-element patent rare earth alloy	PSoC技术 PSoC technology	70%放电循环 70%DOD ≥4200cycles
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应用领域 Product Applications

 太阳能 SOLAR ENERGY	 风能 WIND ENERGY	 家庭分布式储能电站 FAMILY DISTRIBUTED POWER STATION	 集装箱储能电站 CONTAINER STORAGE POWER STATION
 工业 INDUSTRIAL	 储能 SPS	 电力 ELECTRIC POWER	 配电/输电 POWER DISTRIBUTION & TRANSMISSION

产品特性 Product Specifications

额定电压 Nominal Voltage	额定容量 Rated Capacity (10hr)	内阻 Internal Resistance	短路电流 Short Circuit Current	推荐使用温度范围 Operating Temp. Range
2V	1000Ah@25°C (77°F, 1.80V/cell)	0.15mΩ@25°C(77°F)	8000A(5s)	放电 Discharge: -15~+50°C (5~122°F) 充电 Charge: 0~40°C (32~104°F) 储存 Storage: -15~+40°C (5~104°F) 最佳 Optimum: 25±3°C (77±5°F)

物理特性 Physical Specifications

材料 Material	端子 Terminal Type	尺寸 Dimensions				重量 Weight
		长 Length	宽 Width	高 Height	总高 TH	
ABS UL94-HB (阻燃 ABS UL94-V0)	I7	210±1mm (8.27 inch.)	191±1mm (7.52 inch.)	646±2mm (25.4 inch.)	668.5±2mm (26.3 inch.)	69.0kg 152.1(lbs)

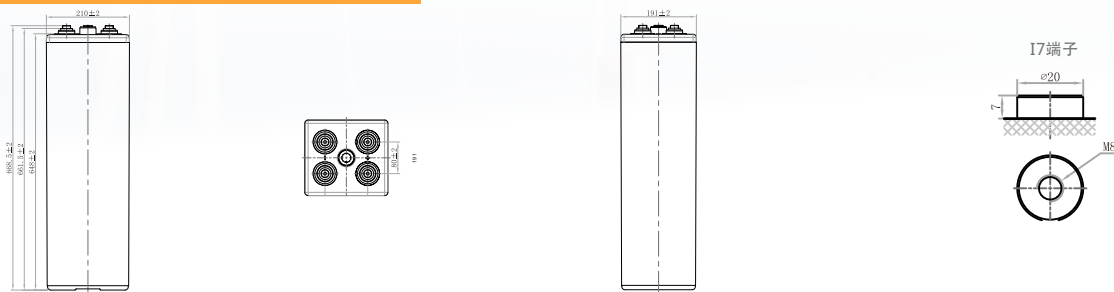
恒流放电参数 Constant Current Discharge(A)@25°C(77°F)

终止电压/时间 F.V / Time	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h	72h	100h	120h
1.85V/cell	909	752	604	502	311	238	196	168	148	119	98.2	52.6	16.4	12.5	10.6
1.80V/cell	1010	806	635	525	325	249	202	172	151	122	100	53.6	16.7	12.8	10.8
1.75V/cell	1089	853	668	550	338	259	208	177	155	124	102	54.5	16.9	13.0	11.0
1.70V/cell	/	895	692	568	352	267	214	181	159	126	104	55.3	17.2	13.2	11.2
1.67V/cell	/	940	721	588	363	272	220	186	162	129	105	56.1	17.5	13.4	11.4
1.60V/cell	/	971	741	602	370	276	225	190	165	130	106	56.8	17.7	13.5	11.5

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

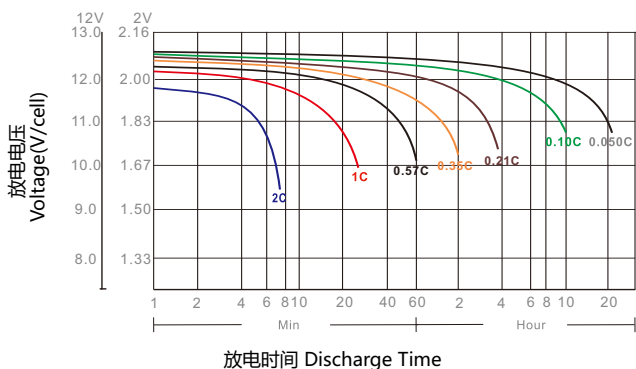
终止电压/时间 F.V / Time	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h	72h	100h	120h
1.85V/cell	1735	1452	1178	983.0	613.2	472.0	389.1	334.0	295.1	237.4	197.5	107.4	33.4	25.6	21.8
1.80V/cell	1908	1541	1228	1023	637.3	491.7	399.9	342.0	301.1	242.7	200.5	109.0	33.9	26.0	22.1
1.75V/cell	2035	1617	1283	1065	659.8	508.2	409.7	350.3	306.6	246.9	203.7	110.6	34.4	26.4	22.4
1.70V/cell	/	1683	1322	1094	683.8	522.8	420.6	356.9	313.3	250.9	207.2	112.3	35.0	26.8	22.8
1.67V/cell	/	1757	1372	1128	703.6	530.6	430.9	364.8	318.4	255.3	209.6	113.8	35.4	27.1	23.1
1.60V/cell	/	1800	1398	1147	711.6	535.4	437.1	371.7	323.3	257.7	211.8	114.9	35.8	27.4	23.3

外形尺寸 Battery Dimensions(mm)

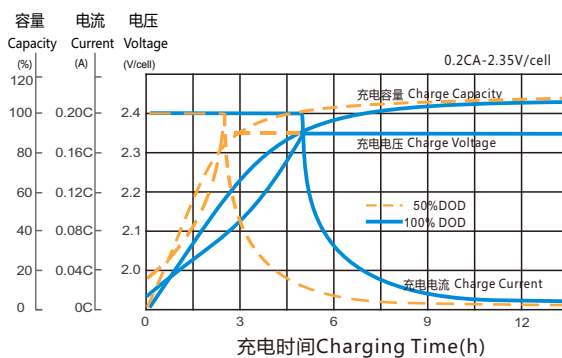


电性能 Electrical Characteristics

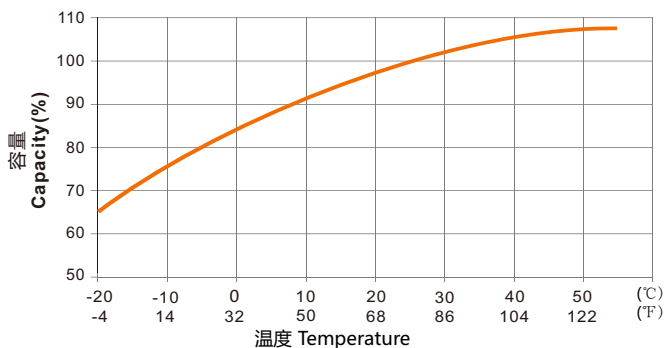
不同倍率放电特性 Discharge Characteristics(25°C/77°F)



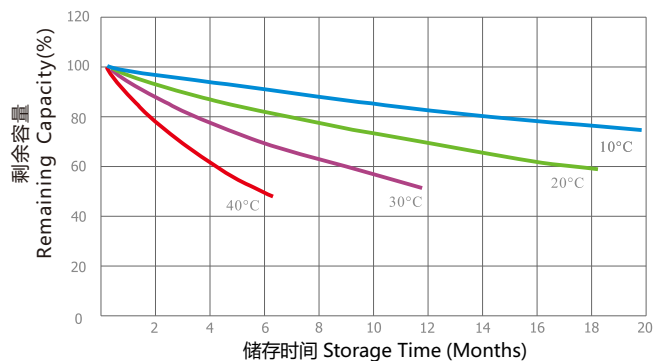
充电特性曲线 Charging Characteristics



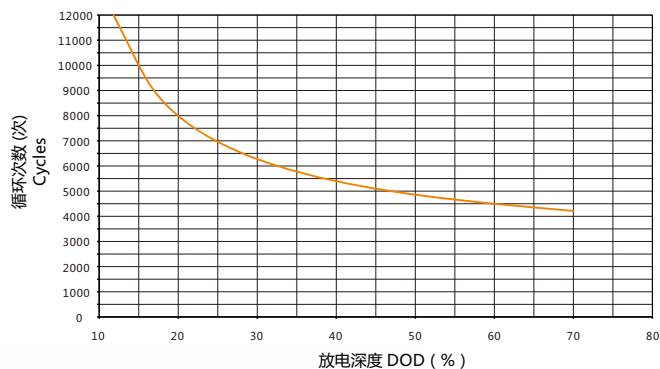
电池容量曲线 Capacity vs Temperature



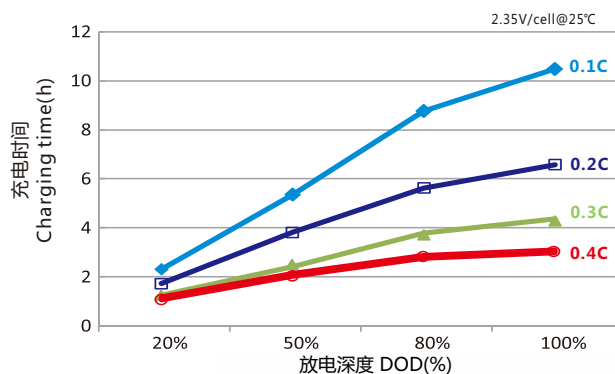
自放电曲线 Self-discharge vs Time



循环次数与放电深度 Cycle Life vs DOD



充电时间与放电深度 Charging Time vs DOD



充电电流 Charge Current

限流: $\leq 0.4C_{10A}$
Limited current: $\leq 0.4C_{10A}$

快速充电 Fast Charge

恒压 Constant voltage: 2.30~2.40V@25°C(77°F)
温度补偿系数 Temp.Coefficient: -4mV/°C

浮充充电 Float Charge

恒压 Constant voltage: 2.20~2.30V@25°C(77°F)
温度补偿系数 Temp.Coefficient: -3mV/°C