

Pb-C技术
Lead Carbon
technology

AGM技术
AGM
separator

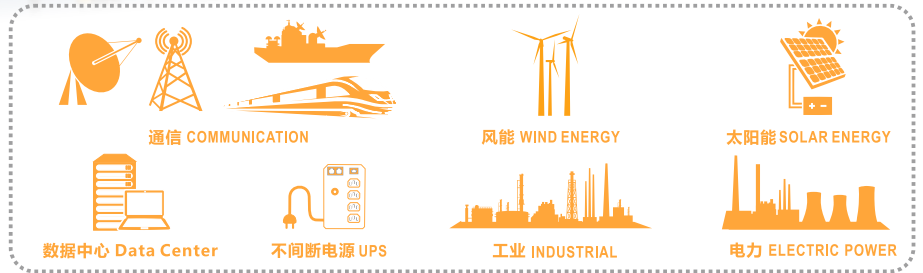
多元稀土合金
Multi-element
patent rare
earth alloy

PSoC技术
PSoC
technology

60%放电循环
60%DOD
≥3600cycles



应用领域 Product Applications



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
12V	65Ah/0.78kWh (25°C/77°F , 1.80V/cell)	8.0mΩ@25°C(77°F)	780A(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	330±1mm (12.99 inch.)	172±1mm (6.77 inch.)	214±1mm (8.43 inch.)	221.5±1mm (8.72 inch.)	34.0kg 74.97(lbs)

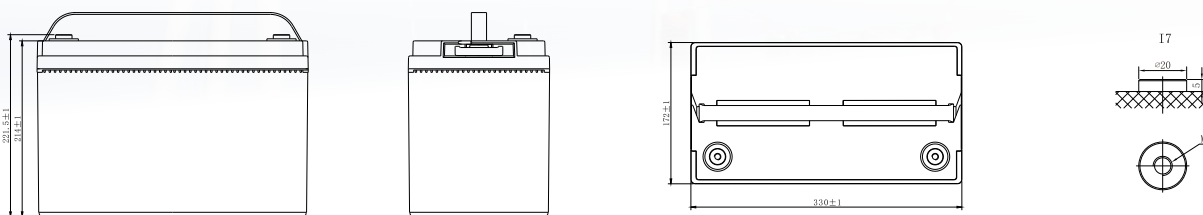
恒流放电参数 Constant Current Discharge(A)@25°C(77°F)

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	61.2	50.7	40.8	33.9	20.7	15.5	12.7	10.9	9.59	7.71	6.39	3.42	1.053	0.813	0.686
1.80V/cell	67.9	54.4	42.9	35.5	21.7	16.2	13.1	11.2	9.82	7.91	6.50	3.46	1.065	0.822	0.693
1.75V/cell	73.3	57.5	45.2	37.2	22.5	16.8	13.5	11.5	10.1	8.06	6.60	3.50	1.079	0.833	0.702
1.70V/cell	78.3	60.3	46.8	38.4	23.4	17.4	13.9	11.7	10.3	8.20	6.72	3.54	1.090	0.842	0.717
1.67V/cell	82.4	63.4	48.8	39.7	24.2	17.7	14.3	12.0	10.5	8.34	6.84	3.58	1.103	0.852	0.729
1.60V/cell	85.4	65.5	50.1	40.7	24.7	18.1	14.6	12.4	10.7	8.45	6.92	3.63	1.117	0.862	0.738

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

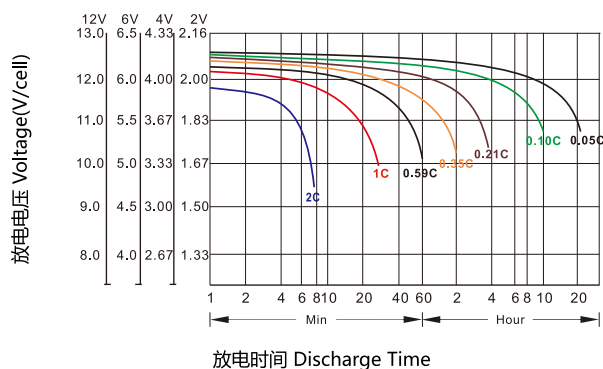
终止电压/时间 F.V / Time	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h	72h	100h	120h
1.85V/cell	117	98.1	79.8	66.6	41.0	30.8	25.3	21.8	19.2	15.5	12.9	7.00	2.16	1.67	1.40
1.80V/cell	129	104	83.2	69.3	42.6	32.0	26.0	22.3	19.6	15.8	13.1	7.06	2.17	1.68	1.42
1.75V/cell	137	109	87.0	72.2	44.1	33.1	26.6	22.8	20.0	16.1	13.3	7.13	2.20	1.70	1.43
1.70V/cell	146	114	89.6	74.2	45.7	34.1	27.3	23.2	20.4	16.4	13.5	7.21	2.22	1.72	1.46
1.67V/cell	152	119	93.0	76.5	47.0	34.7	28.0	23.7	20.8	16.6	13.7	7.28	2.24	1.73	1.49
1.60V/cell	155	122	94.7	77.7	47.5	35.1	28.5	24.2	21.1	16.8	13.8	7.36	2.27	1.75	1.50

外形尺寸 Battery Dimensions(mm)

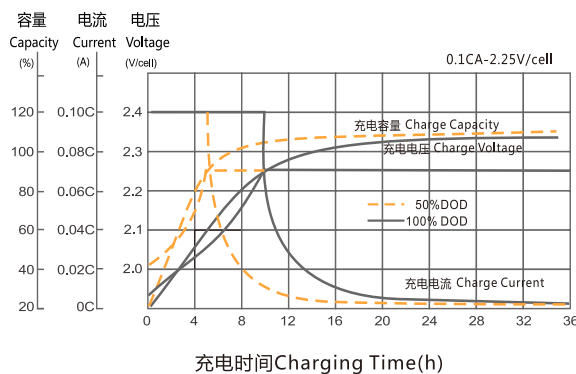


电性能 Electrical Characteristics

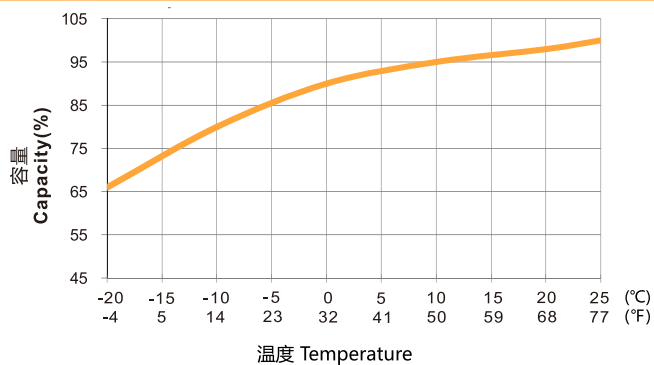
不同倍率放电特性 Discharge Characteristics(25°C/77°F)



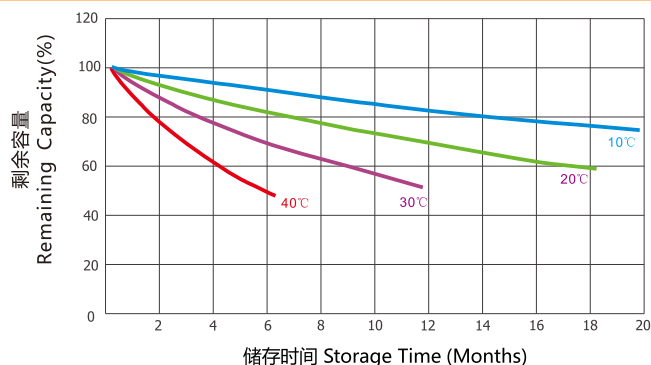
充电特性曲线 Charging Characteristics



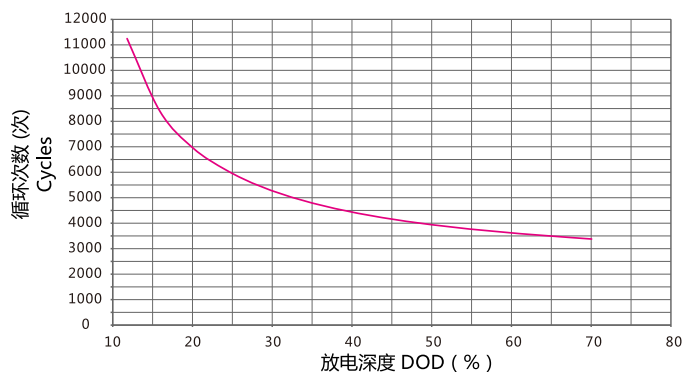
电池容量曲线 Capacity vs Temperature



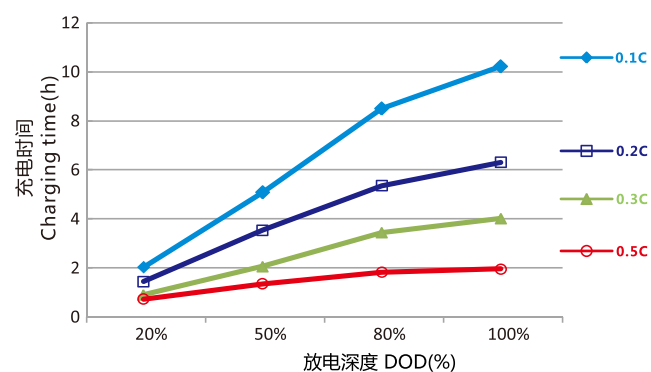
自放电曲线 Self-discharge vs Time



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

快速充电 Fast Charge

恒压 Constant voltage: 13.8~14.4V@25°C(77°F)
温度补偿系数 Temp. Coefficient: -30mV/°C

浮充充电 Float Charge

恒压 Constant voltage: 13.2~13.8V@25°C(77°F)
温度补偿系数 Temp. Coefficient: -20mV/°C