



# Basic performance Test Report

样品名称:  
Sample name: **CA180FI**  
样品编号:  
Sample No. : \_\_\_\_\_

## 1 样品信息 Sample background:

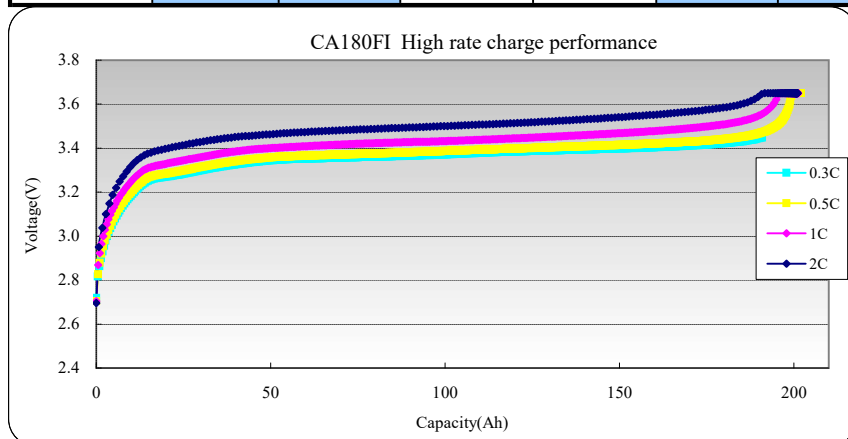
Sample: **CA180FI**

Subject	Range	Rate
Capacity (Ah)	200-210	97.4%
IR (mΩ)	≤0.3	100.0%
Normal Capacity (Ah)	180	
Average Weight (kg)	5.68	
Volume (L)	3.51	
Volume Density (Wh/L)	185	
Power Density (Wh/Kg)	114	

## 2 测试结果 Test results:

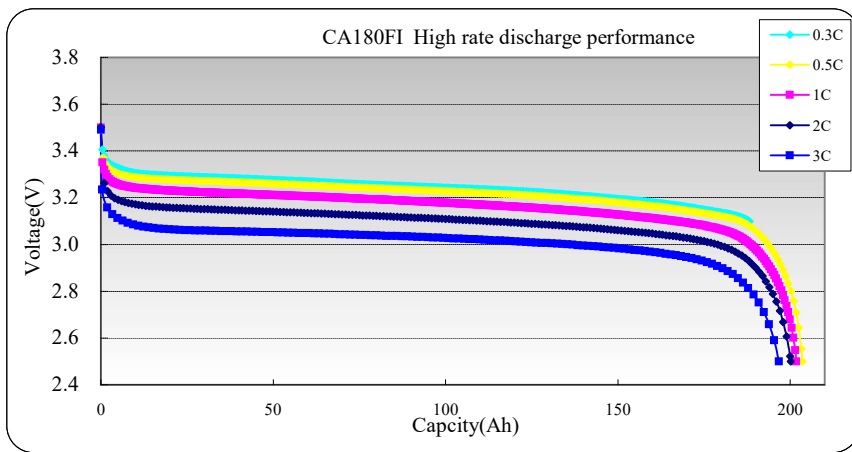
2.1 Charging Sample No. : \_\_\_\_\_

	Charge Capacity (Ah)	Discharge Capacity (Ah)	Efficiency	Rate	Charging Power (Wh)	Discharge Power (Wh)	Efficiency	Rate
0.3/0.3	202.0	202.0	100.0%	100.0%	678.2	650.6	95.9%	100.0%
0.5/0.3	202.0	201.7	99.8%	99.9%	681.3	651.4	95.6%	100.1%
1/0.3	201.2	200.7	99.7%	99.4%	688.8	647.1	94.0%	99.5%
2/0.3	201.0	200.0	99.5%	99.0%	701.4	647.0	92.2%	99.4%



2.2 Discharge Sample No. : \_\_\_\_\_

	Charge Capacity (Ah)	Discharge Capacity (Ah)	Efficiency	Rate	Charging Power (Wh)	Discharge Power (Wh)	Efficiency	Rate
0.3/0.3	204.7	204.2	99.8%	100.0%	688.3	656.6	95.4%	100.0%
0.3/0.5	203.3	203.5	100.1%	99.7%	682.9	651.3	95.4%	99.2%
0.3/1	201.9	201.8	100.0%	98.8%	677.7	635.9	93.8%	96.9%
0.3/2	200.2	200.2	100.0%	98.0%	671.4	617.5	92.0%	94.1%
0.3/3	197.2	196.7	99.8%	96.3%	662.1	591.2	89.3%	90.0%



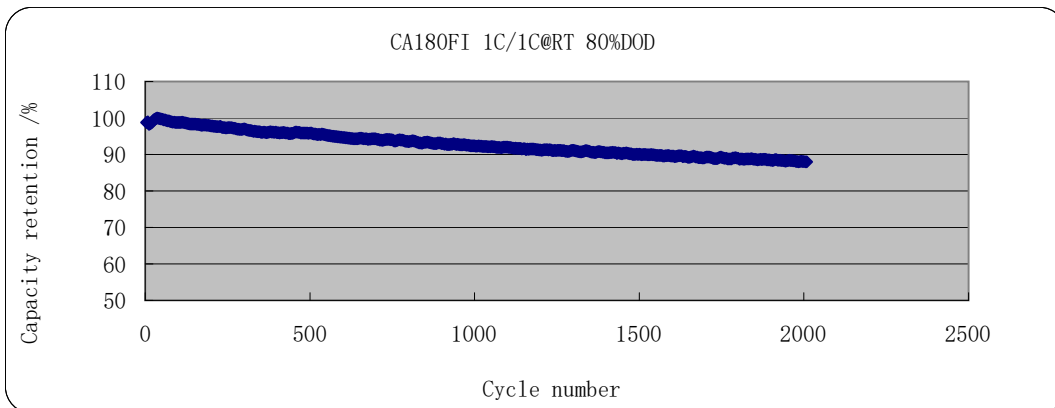
2.3 HPPC

Sample No. : 4333#

$I_{1(C)}/A$	$I_{2(D)}/A$	$I_{C-max}/A$	$I_{C-max}$ Rate	$I_{D-max}/A$	$I_{D-max}$ Rate
750	1333	750	4.2	1000	5.6

SOC	$V_0$	$V_1$	$V_2$	$V_3$	放电电阻 (mΩ)	充电电阻 (mΩ)	放电功率密度 (W/Kg)	充电功率密度 (W/Kg)
100%	3.507	2.897	3.337	3.95	0.61	0.82	869.67	378.98
90%	3.334	2.875	3.303	3.669	0.46	0.49	1023.10	681.35
80%	3.329	2.877	3.295	3.648	0.45	0.47	1035.05	717.82
70%	3.323	2.876	3.285	3.634	0.45	0.47	1041.90	740.42
60%	3.304	2.86	3.272	3.613	0.44	0.45	1033.87	776.92
50%	3.295	2.838	3.262	3.603	0.46	0.45	997.53	791.63
40%	3.29	2.816	3.252	3.598	0.47	0.46	958.04	794.70
30%	3.27	2.782	3.229	3.579	0.49	0.47	916.13	818.59
20%	3.239	2.73	3.195	3.546	0.51	0.47	856.89	864.86
10%	3.198	2.603	3.141	3.503	0.60	0.48	708.78	913.43

2.4 Lifecycle Performance



## 2.5 Low Temperature Performance

