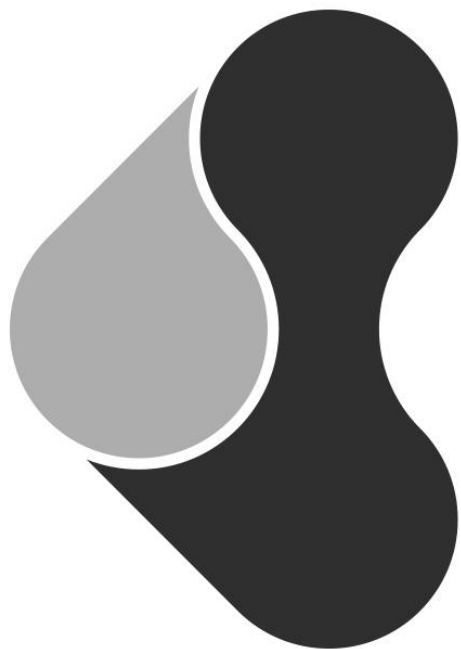
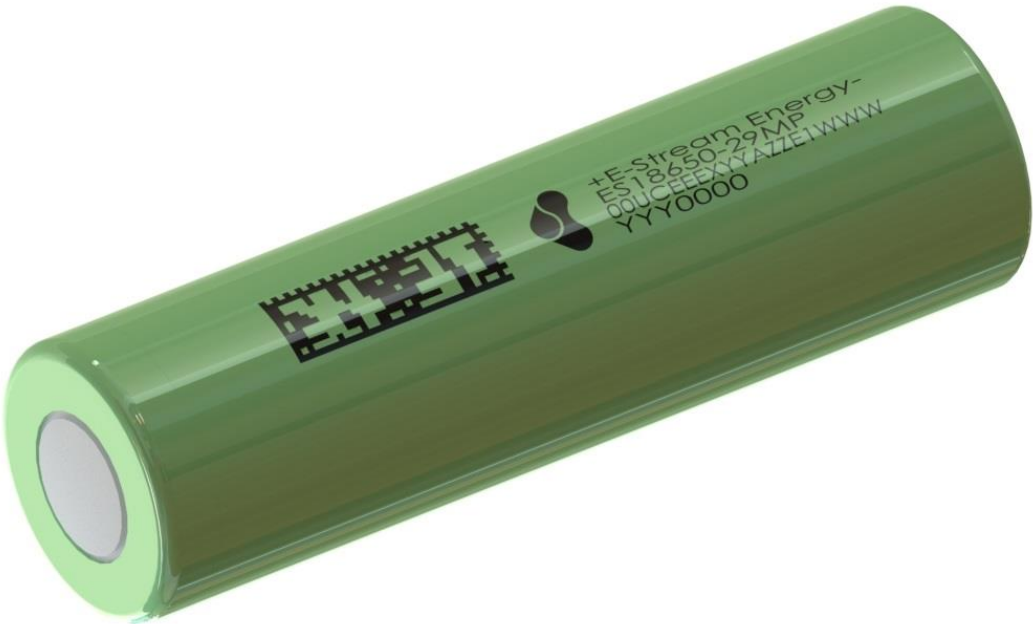


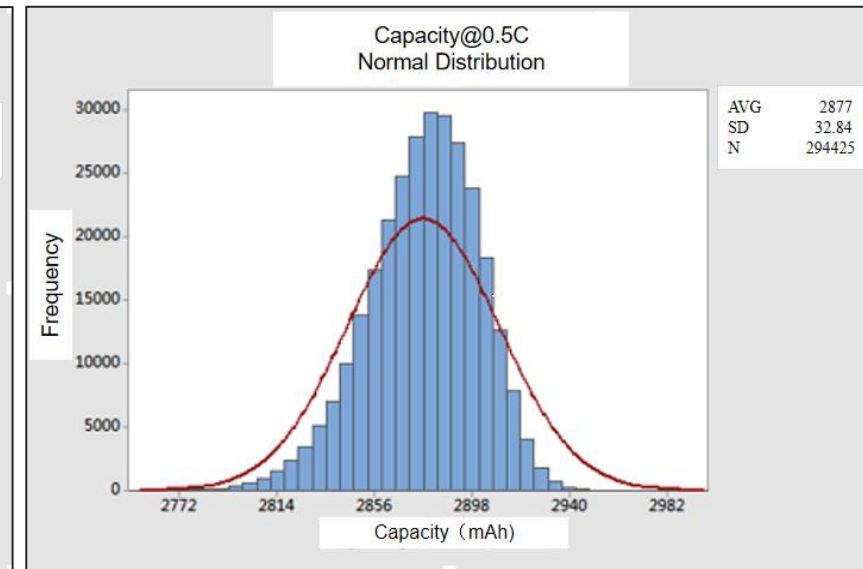
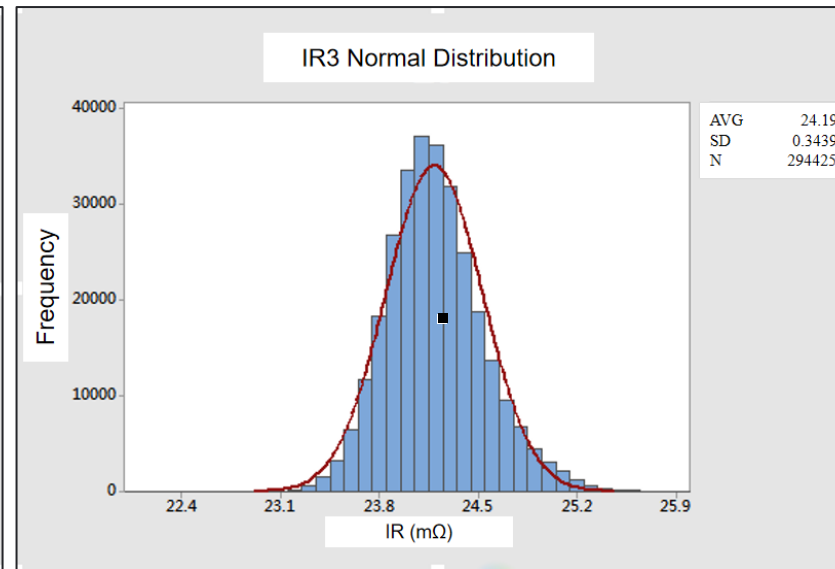
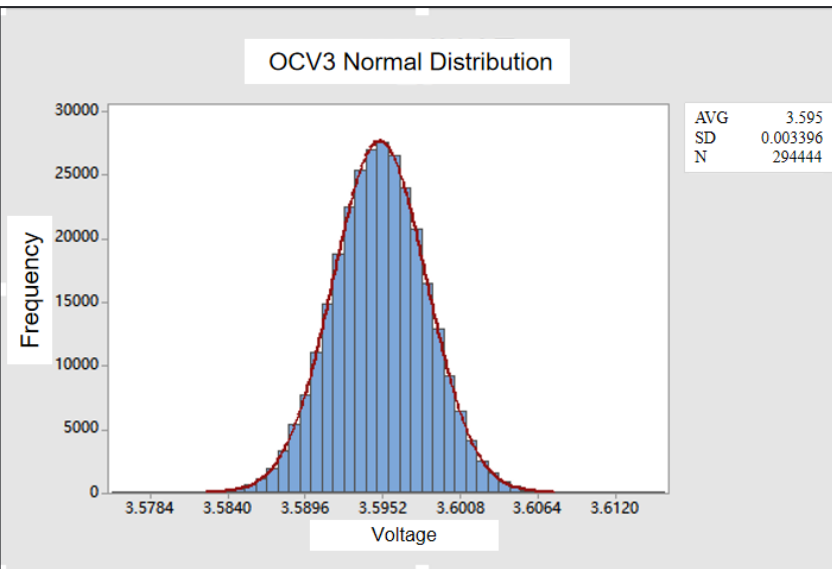


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Model	ES18650-29MP	
Chemistry	NMC	
Nominal voltage	3.7	V
Cut-off voltage discharge	2.75	V
Cut-off voltage charge	4.2	V
Capacity	2.85	Ah
Energy	10.55	Wh
ACIR	≤ 28	mΩ
Max. constant discharge current	10	A
Max. constant charge current	5.7	A
Cycle life (70% of initial capacity)	>2000	

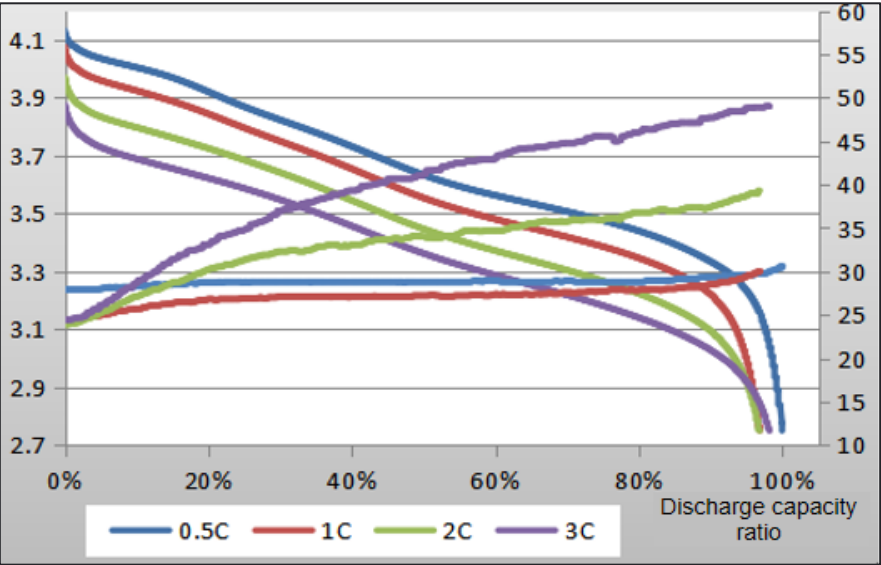
1. Shipment status



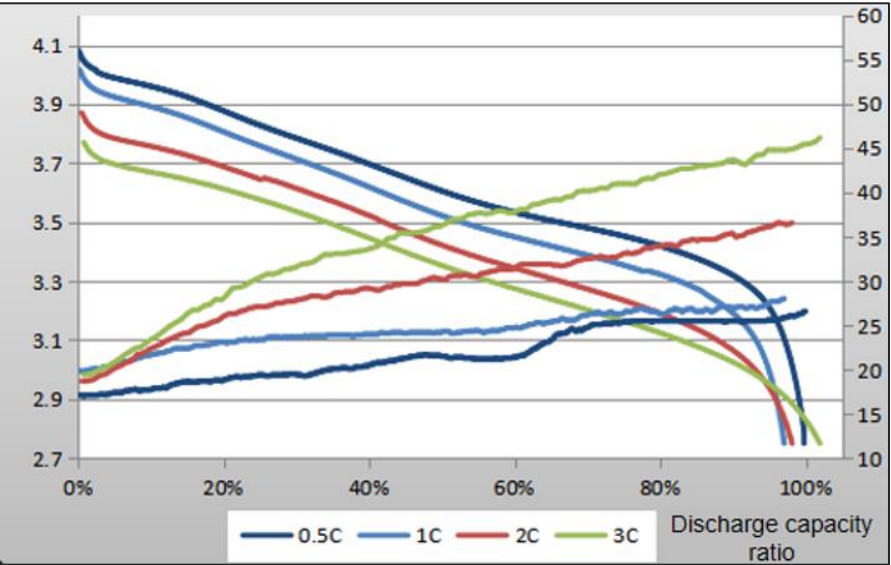
Avg of Voltage 3.595V
Avg of IR 24.19mΩ
Avg of Capacity 2877mAh

2. Discharge Rate Capabilities

NO.	Initial State			Discharge by 0.5C			Discharge by 1C			Discharge by 2C			Discharge by 3C		
	IR (mΩ)	Vol (V)	Cap (mAh)	Cap (mAh)	Retention 0.5C/0.5C	ΔT °C	Cap (mAh)	Retention1C/0.5C	ΔT °C	Cap (mAh)	Retention2C/0.5C	ΔT °C	Cap (mAh)	Retention3C/0.5C	ΔT °C
ES18650-29MP#3	4.121	23.8	2967	2967	100.00%	2.1	2913	98.18%	4	2924	98.55%	10.5	2984	100.57%	18.2
Competitor A #3	4.123	24.16	2846	2846	100.00%	3.6	2762	97.06%	8.2	2792	98.10%	17.9	2901	101.95%	26.8



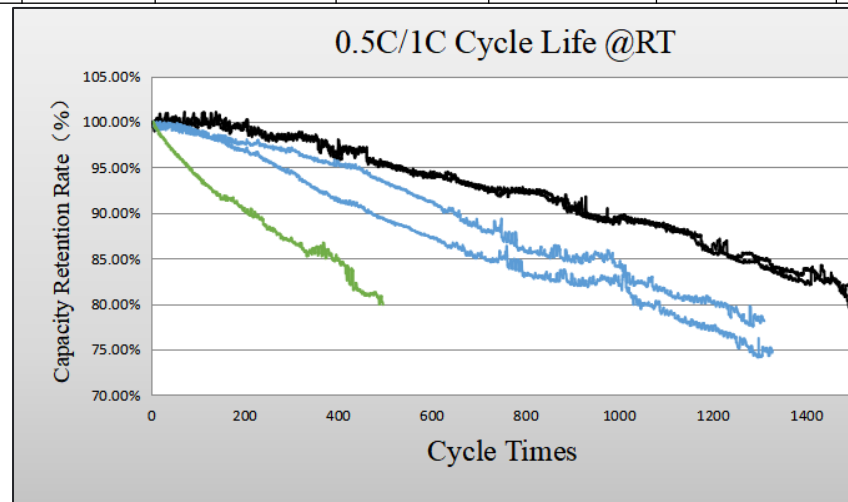
ES18650-29MP #3



Competitor #3

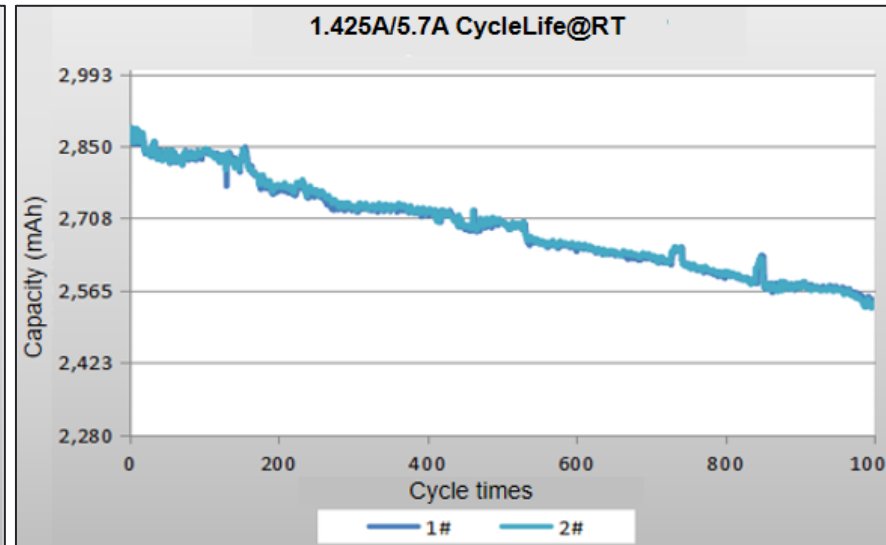
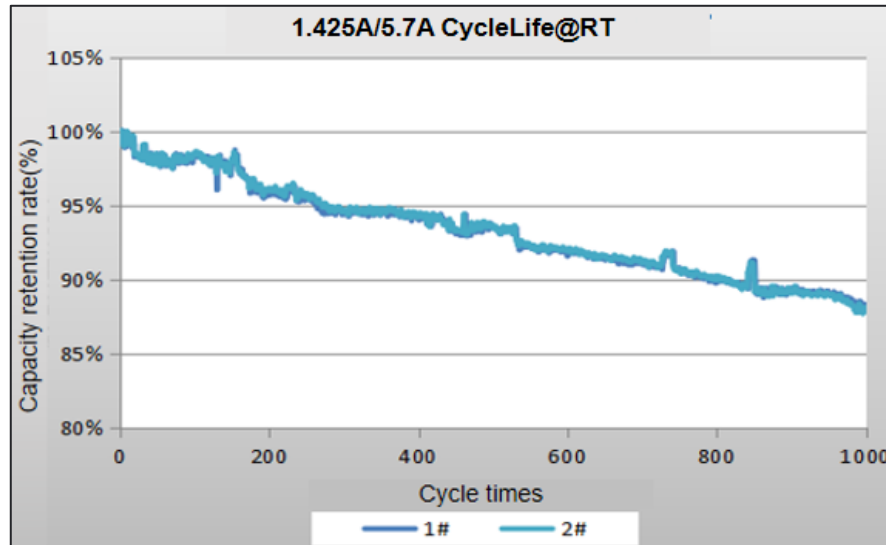
3. Cycle@RT (0.5C/1C)

NO.	Color	Initial State		Cap(Initial) (mAh)	Cap(300th) (mAh)	Cap(500th) (mAh)	Cap(1000th) (mAh)	300 Cycle Retention	500 Cycle Retention	1000 Cycle Retention
		Vol(V)	IR(mΩ)							
ES18650-29MP #1		4.128	23.62	2832	2734	2637	2467	96.54%	93.11%	87.11%
ES18650-29MP #2		4.128	23.75	2841	2742	2641	2492	96.52%	92.96%	87.72%
Competitor A #1		4.123	24.05	2777	2689	2589	2332	96.83%	93.23%	83.98%
Competitor A #2		4.125	23.64	2778	2622	2477	2278	94.38%	89.16%	82.00%
Competitor B #1		4.125	20.35	2719	2359			86.76%		



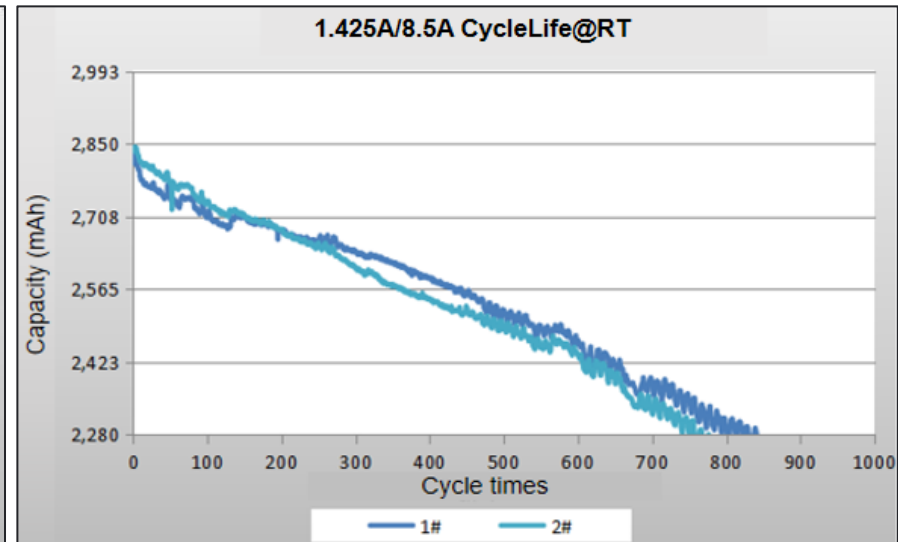
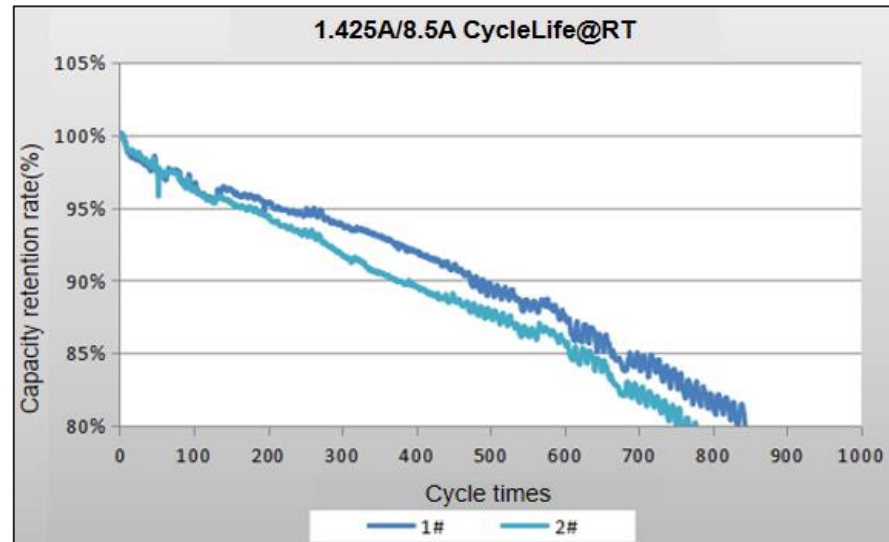
4. Cycle@RT(1.425A/5.7A)

NO.	Initial State		Cap(Initial) (mAh)	Cap(300th) (mAh)	Cap(500th) (mAh)	Cap(1000th) (mAh)	300 Cycle Retention	500 Cycle Retention	1000 Cycle Retention
	Vol(V)	IR(mΩ)							
#1	4.127	23.35	2884.4	2736.7	2693.1	2545.4	94.88%	93.37%	88.25%
#2	4.129	23.47	2884.7	2737.0	2705.9	2538.0	94.88%	93.80%	87.98%
Avg	4.128	23.41	2884.6	2736.9	2699.5	2541.7	94.88%	93.59%	88.12%



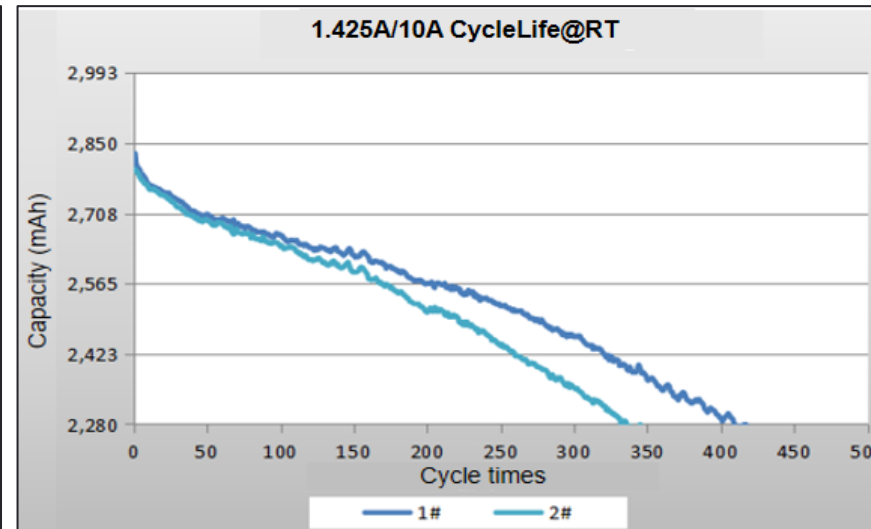
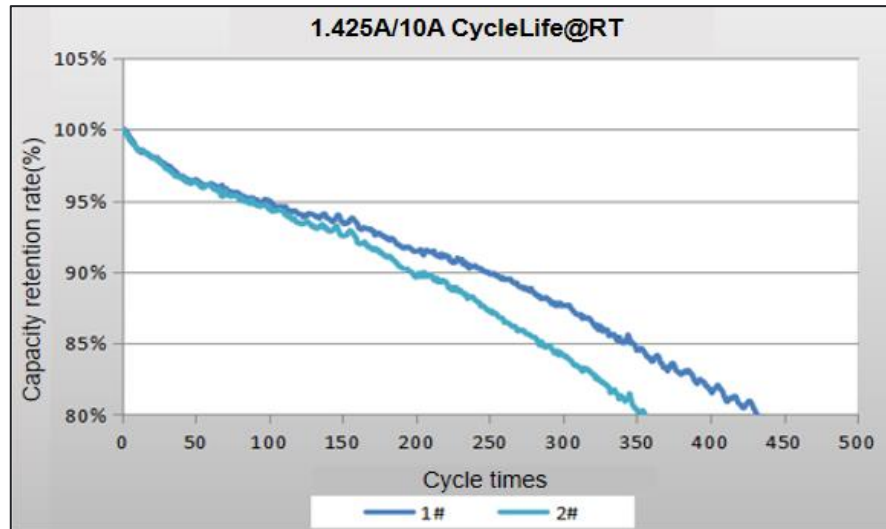
5. Cycle@RT(1.425A/8.5A)

NO.	Initial State		Cap(Initial) (mAh)	Cap(300th) (mAh)	Cap(500th) (mAh)	300 Cycle Retention	500 Cycle Retention
	Vol(V)	IR(mΩ)					
#1	4.124	23.45	2811.8	2641.6	2515.5	93.95%	89.46%
#2	4.121	23.27	2840.5	2609.3	2501.9	91.86%	88.08%
Avg	4.123	23.36	2826.2	2625.5	2508.7	92.90%	88.77%



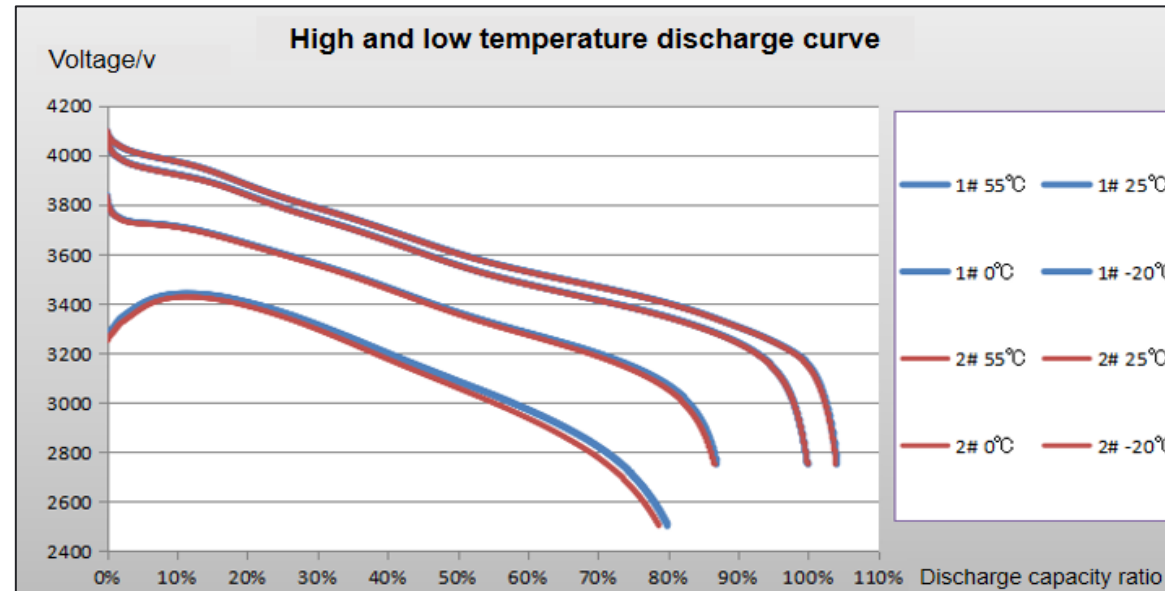
6. Cycle@RT(1.425A/10A)

NO.	Initial State		Cap(Initial) (mAh)	Cap(300th) (mAh)	300 Cycle Retention
	Vol(V)	IR(mΩ)			
#1	4.124	23.54	2804.2	2456.9	87.62%
#2	4.127	23.66	2797.1	2356.7	84.26%
Avg	4.126	23.60	2800.7	2406.8	85.94%



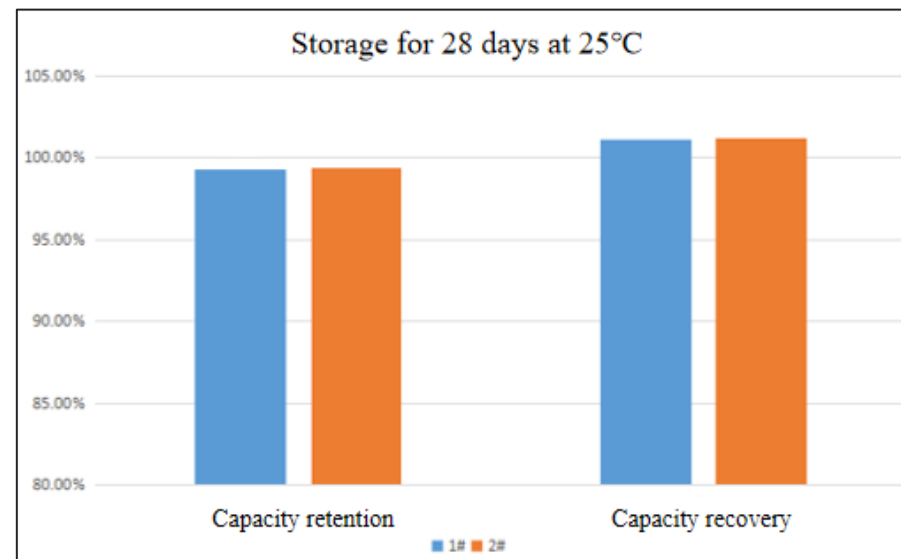
7. Discharge Performance at Different Temperature

NO.	Cap @ -20°C	Cap @ 0°C	Cap @ 25°C	Cap @ 55°C
#1	2262.5	2460.9	2825.4	2944.7
	80.08%	87.10%	100.00%	104.23%
#2	2231.8	2453.8	2831.0	2946.0
	78.83%	86.68%	100.00%	104.06%



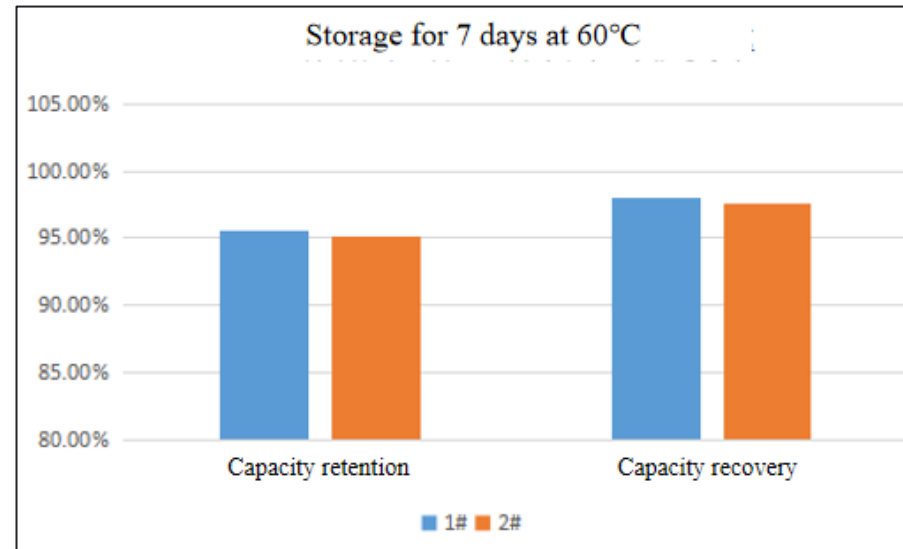
8. Storage for 28 Days at 25 °C

NO.	Vol (V)		IR (mΩ)		Cap (mAh)			Cap ratio	
	Before	After	Before	After	Cap (initial)	Cap (residual)	Cap (recovery)	Capacity retention	Capacity recovery
#1	4.161	4.138	23.45	23.63	2791	2771	2821	99.28%	101.07%
#2	4.162	4.139	24.32	24.65	2790	2773	2822	99.39%	101.15%
Avg	4.162	4.139	23.89	24.14	2791	2772	2822	99.34%	101.11%



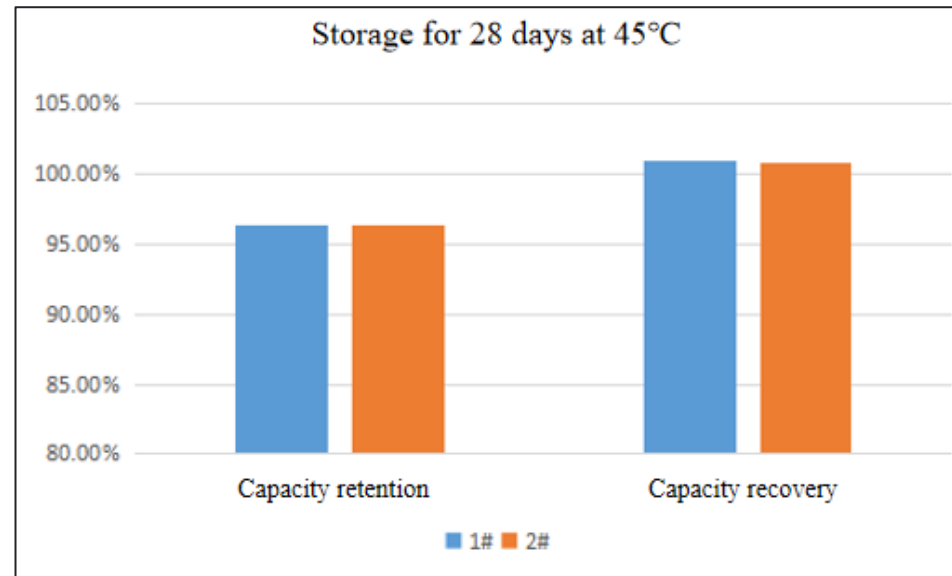
9. Storage for 7 Days at 60 °C

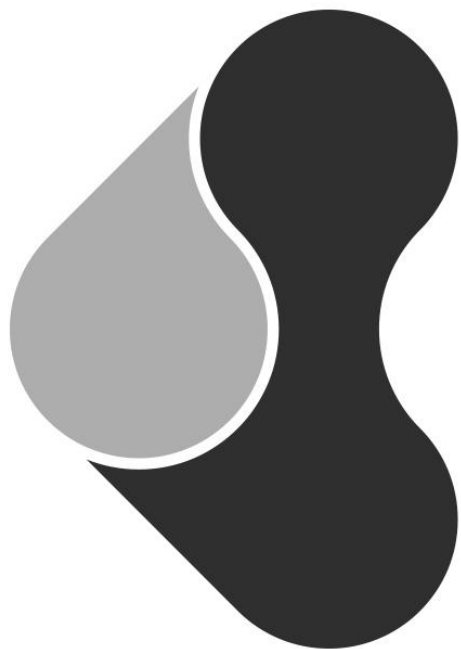
NO.	Vol (V)		IR (mΩ)		Cap (mAh)			Cap ratio	
	Before	After	Before	After	Cap (initial)	Cap (residual)	Cap (recovery)	Capacity retention	Capacity recovery
#1	4.161	4.109	23.81	26.68	2791	2666	2736	95.52%	98.03%
#2	4.162	4.11	24.09	26.97	2800	2664	2734	95.14%	97.64%
Avg	4.162	4.110	23.95	26.83	2796	2665	2735	95.33%	97.84%



10. Storage for 28 Days at 45 °C

NO.	Vol (V)		IR (mΩ)		Cap (mAh)			Cap ratio	
	Before	After	Before	After	Cap (initial)	Cap (residual)	Cap (recovery)	Capacity retention	Capacity recovery
1#	4.157	4.101	22.85	27.12	2790	2688	2814	96.34%	100.86%
2#	4.159	4.101	24.29	27.9	2789	2685	2810	96.27%	100.75%
Avg	4.158	4.101	23.57	27.51	2790	2687	2812	96.31%	100.81%





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