

134svolt test.pdf

Device : 1

Channel : 7

Sub Device : 1

Start Test Time : 2023-05-03 10:56:40

End Test Time : 2023-05-04 10:12:43

Nda File Name : D:\7.5.4\NdaData\160001-1-7-6570.nda

Unit List

Current	Voltage	Capacity	Capacity Density	Energy	CmpEng	IR	Temperature	Time
A	V	Ah	Ah/kg	mWh	mWh/g	m	° C	Auto

Test Information

Start Step ID : 1

Upper-limit Voltage : 3.7000(V)

P/N : 2023-05-03 10:56:40

Cycle counts : -

Lower-limit Voltage : 2.4000(V)

Creator : -

Upper-limit temperature : -

Upper-limit Current : -

Remark :

Voltage Measuring-range : 5V

Lower-limit Current : -

Record Condition : 60000.0ms/0.0000V/0.0000A

Current Measuring-range : +20000/-20000mA

Start-up Time : 2023-05-03 10:56:40

Battery Barcode :

Step setting scheme

Step ID	Time(h:min:s.ms)	Current(A)	Energy(mWh)	Power(mW)	Capacity(Ah)	Aux Record Condition	Min Vi(V)	Min Ti(oC)	Record Condition2	Single-cell Voltage	Stop Condition(V)
Step Name	Voltage(V)	End Current (A)	Change-limit Voltage(V)	Resistance(m )	Record Condition	Max Vi(V)	Max Ti(oC)	Record Condition1	Record Condition3		
1	0:01:00.000										
Rest											
2		12.0000000				60000.0ms/0.0000V/0.0000A					
CCCV_Chg	3.6500	0.2000				60000.0ms/0.0000V/0.0000A					
3	0:02:00.000										
Rest						60000.0ms/0.0000V/0.0000A					
4		12.0000000									
CC_DChg	2.5000					60000.0ms/0.0000V/0.0000A					
5	0:02:00.000										
Rest						60000.0ms/0.0000V/0.0000A					
6		12.0000000									
CCCV_Chg	3.6500	0.2000				60000.0ms/0.0000V/0.0000A					
7											
End											

Cycle Data

Cycle ID	Cap_Chg(Ah)	Chg/DChg Efficiency(%)	Engy_Chg(mWh)	Engy_DChg(mWh)
1	0.6240	21607.857	2241.2	437514.4
2	134.9365	0.000	447796.0	0.0

Step Data

Cycle ID	Step ID	Step Name	Step Time(h:min:s.ms)	Capacity(Ah)	Energy(mWh)	Start Voltage(V)	End Voltage(V)	Charge Mid-Vol(V)	Discharge Mid-Vol(V)
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1		Rest	0:01:00.000	0.0000	0.0	3.4421		0.0000	
1	1	CCCV_Chg	0:16:31.000	0.6240	2241.2	3.4523	3.4421	3.6517	0.0000
1	2	Rest	0:02:00.000	0.0000	0.0	3.6511	3.6514	0.0000	0.0000
1	3	CC_DChg	11:14:11.000	134.8407	437514.4	3.6148	3.6275	0.0000	0.0000
1	4	Rest	0:02:00.000	0.0000	0.0	2.5083	2.5000	0.0000	3.2645
1	5	CCCV_Chg	11:39:25.000	134.9365	447796.0	2.5613	2.5502	3.3299	0.0000
2	6						3.6514		0.0000

## Record Data

Cycle ID	Step ID	Record ID	Time(h:min:s.ms)	Voltage(V)	Current (A)	Capacity(Ah)	Energy(mWh)	Real time
1		1		3.4421		0.0000		2023-05-03 11:56:49
1	1	2	0:00:00.000	3.4421	0.0000	0.0000	0.0	2023-05-03 10:57:49
1	1	3	0:00:59.000	3.4421	0.0000	0.0000	0.0	2023-05-03 10:57:49
1	1	4	0:01:00.000	3.4523	0.0000	0.0000	0.0	2023-05-03 10:57:50
1	2	5	0:00:00.000	3.5472	11.9977	0.1966	0.0	2023-05-03 10:58:50
1	2	6	0:00:59.000	3.6517	11.9977	0.3563	687.6	2023-05-03 10:59:50
1	2	7	0:01:59.000	3.6517	4.1220	0.4096	1263.7	2023-05-03 11:00:50
1	2	8	0:02:59.000	3.6517	2.5186	0.4460	1458.2	2023-05-03 11:01:50
1	2	9	0:03:59.000	3.6517	1.9171	0.4460	1591.3	2023-05-03 11:01:50
1	2	9	0:04:58.000	3.6517	1.5091	0.4738	1692.5	2023-05-03 11:02:50
1	2	10	0:05:58.000	3.6517	1.2648	0.4968	1776.7	2023-05-03 11:03:50
1	2	11	0:06:59.000	3.6517	1.0677	0.5166	1849.1	2023-05-03 11:04:50
1	2	12	0:07:59.000	3.6517	0.9424	0.5335	1910.5	2023-05-03 11:05:50
1	2	13	0:08:58.000	3.6517	0.8482	0.5481	1964.0	2023-05-03 11:06:50
1	2	14	0:09:58.000	3.6517	0.7626	0.5614	2012.4	2023-05-03 11:07:50
1	2	15	0:10:58.000	3.6517	0.6597	0.5734	2056.3	2023-05-03 11:08:50
1	2	16	0:11:58.000	3.6517	0.6597	0.5843	2096.0	2023-05-03 11:09:50
1	2	17	0:12:58.000	3.6517	0.5942	0.5942	2096.0	2023-05-03 11:10:50
1	2	18	0:13:58.000	3.6517	0.5828	0.6034	2132.4	2023-05-03 11:11:50
1	2	19	0:14:59.000	3.6517	0.5431	0.6121	2166.0	2023-05-03 11:12:50
1	2	20	0:15:58.000	3.6517	0.4910	0.6199	2197.6	2023-05-03 11:13:50
1	2	21	0:16:31.000	3.6514	0.4724	0.6240	2226.3	2023-05-03 11:14:22
1	2	22	0:16:31.000	3.6511	0.1723	0.0000	2241.2	2023-05-03 11:14:23
1	3	23	0:00:00.000	3.6380	0.0000	0.0000	0.0	2023-05-03 11:15:23
1	3	24	0:00:59.000	3.6275	0.0000	0.0000	0.0	2023-05-03 11:16:23
1	3	25	0:01:59.000	3.6275	0.0000	0.0000	0.0	2023-05-03 11:16:23
1	3	25	0:02:00.000	3.6275	0.0000	0.0000	0.0	2023-05-03 11:16:23
1	4	26	0:00:00.000	3.6148	-12.0002	0.0000	0.0	2023-05-03 11:16:24

1		27		3.4539		0.2000		2023-05-03 11:17:24
1	4	28	0:01:00.000	3.4235	-12.0002	0.3967	700.9	2023-05-03 11:18:24
1	4	29	0:01:59.000	3.4049	-12.0002	0.5967	1376.8	2023-05-03 11:19:24
1	4	30	0:02:59.000	3.3916	-12.0002	0.7967	2059.6	2023-05-03 11:20:24
1	4	31	0:03:59.000	3.3804	-12.0002	0.9967	2739.2	2023-05-03 11:21:24
1	4	32	0:04:59.000	3.3708	-12.0002	1.1967	3416.4	2023-05-03 11:22:24
1	4	33	0:05:59.000	3.3624	-12.0002	1.3967	4091.5	2023-05-03 11:23:24
1	4	34	0:06:59.000	3.3550	-12.0002	1.6000	4764.9	2023-05-03 11:24:24
1	4	35	0:08:00.000	3.3479	-12.0002	1.7967	5447.8	2023-05-03 11:25:24
1	4	36	0:08:59.000	3.3420	-12.0002	1.9967	6106.9	2023-05-03 11:26:24
1	4	37	0:09:59.000	3.3348	-12.0002	2.1967	6775.9	2023-05-03 11:27:24
1	4	38	0:10:59.000	3.3302	-12.0002	2.3967	7443.6	2023-05-03 11:28:24
1	4	39	0:11:59.000	3.3258	-12.0002	2.5967	8110.0	2023-05-03 11:29:24
1	4	40	0:12:59.000	3.3218	-12.0002	2.8000	8775.6	2023-05-03 11:30:24
1	4	41	0:14:00.000	3.3187	-12.0002	3.0000	9451.5	2023-05-03 11:31:24
1	4	42	0:15:00.000	3.3159	-12.0002	3.1967	10115.5	2023-05-03 11:32:24
1	4	43	0:15:59.000	3.3134	-12.0002	3.3967	10767.9	2023-05-03 11:33:24
1	4	44	0:16:59.000	3.3113	-12.0002	3.5967	11430.8	2023-05-03 11:34:24
1	4	45	0:17:59.000	3.3094	-12.0002	3.7967	12093.3	2023-05-03 11:35:24
1	4	46	0:18:59.000	3.3085	-12.0002	4.0001	12755.4	2023-05-03 11:36:24
1	4	47	0:20:00.000	3.3072	-12.0002	4.1967	13428.3	2023-05-03 11:37:24
1	4	48	0:20:59.000	3.3066	-12.0002	4.3967	14078.8	2023-05-03 11:38:24
1	4	49	0:21:59.000	3.3060	-12.0002	4.5967	14740.2	2023-05-03 11:39:24
1	4	50	0:22:59.000	3.3057	-12.0002	4.7967	15401.5	2023-05-03 11:40:24
1	4	51	0:23:59.000	3.3057	-12.0002	4.9967	16062.7	2023-05-03 11:41:24
1	4	52	0:24:59.000	3.3054	-12.0002	5.2001	16723.8	2023-05-03 11:42:24
1	4	53	0:26:00.000	3.3054	-12.0002	5.3968	17396.0	2023-05-03 11:43:24
1	4	54	0:26:59.000	3.3054	-12.0002	5.5968	18046.0	2023-05-03 11:44:24
1	4	55	0:27:59.000	3.3054	-12.0002	5.8001	18707.1	2023-05-03 11:45:24
1	4	56	0:29:00.000	3.3054	-12.0002	5.9968	19379.2	2023-05-03 11:46:24
1	4	57	0:29:59.000	3.3051	-12.0002	6.1968	20029.2	2023-05-03 11:47:24
1	4	58	0:30:59.000	3.3051	-12.0002	6.3968	20690.3	2023-05-03 11:48:24
1	4	59	0:31:59.000	3.3051	-12.0002	6.5968	21351.3	2023-05-03 11:49:24
1	4	60	0:32:59.000	3.3054	-12.0002	6.7968	22012.4	2023-05-03 11:50:24
1	4	61	0:33:59.000	3.3054	-12.0002	6.9968	22673.4	2023-05-03 11:51:24
1	4	62	0:34:59.000	3.3054	-12.0002	7.1968	23334.5	2023-05-03 11:52:24
1	4		0:35:59.000		-12.0002		23995.5	

1		63		3.3054		7.3968		2023-05-03 11:53:24
1	4	64	0:36:59.000	3.3051	-12.0002	7.5968	24656.6	2023-05-03 11:54:24
1	4	65	0:37:59.000	3.3051	-12.0002	7.8001	25317.7	2023-05-03 11:55:24
1	4	66	0:39:00.000	3.3051	-12.0002	8.0001	25989.7	2023-05-03 11:56:24
1	4	67	0:40:00.000	3.3051	-12.0002	8.1968	26650.8	2023-05-03 11:57:24
1	4	68	0:40:59.000	3.3051	-12.0002	8.4001	27300.8	2023-05-03 11:58:24
1	4	69	0:42:00.000	3.3051	-12.0002	8.5968	27972.9	2023-05-03 11:59:24
1	4	70	0:42:59.000	3.3051	-12.0002	8.8001	28622.9	2023-05-03 12:00:24
1	4	71	0:44:00.000	3.3051	-12.0002	8.9968	29294.9	2023-05-03 12:01:24
1	4	72	0:44:59.000	3.3051	-12.0002	9.1968	29944.9	2023-05-03 12:02:24
1	4	73	0:45:59.000	3.3051	-12.0002	9.3968	30606.0	2023-05-03 12:03:24
1	4	74	0:46:59.000	3.3051	-12.0002	9.6002	31267.0	2023-05-03 12:04:24
1	4	75	0:48:00.000	3.3051	-12.0002	9.8002	31939.0	2023-05-03 12:05:24
1	4	76	0:49:00.000	3.3051	-12.0002	9.9968	32600.1	2023-05-03 12:06:24
1	4	77	0:49:59.000	3.3051	-12.0002	10.1968	33250.1	2023-05-03 12:07:24
1	4	78	0:50:59.000	3.3051	-12.0002	10.3968	33911.1	2023-05-03 12:08:24
1	4	79	0:51:59.000	3.3051	-12.0002	10.5968	34572.1	2023-05-03 12:09:24
1	4	80	0:52:59.000	3.3051	-12.0002	10.7968	35233.1	2023-05-03 12:10:24
1	4	81	0:53:59.000	3.3048	-12.0002	11.0002	35894.1	2023-05-03 12:11:24
1	4	82	0:55:00.000	3.3048	-12.0002	11.1969	36566.1	2023-05-03 12:12:24
1	4	83	0:55:59.000	3.3048	-12.0002	11.3969	37216.1	2023-05-03 12:13:24
1	4	84	0:56:59.000	3.3048	-12.0002	11.5969	37877.0	2023-05-03 12:14:24
1	4	85	0:57:59.000	3.3048	-12.0002	11.7969	38538.0	2023-05-03 12:15:24
1	4	86	0:58:59.000	3.3048	-12.0002	11.9969	39199.0	2023-05-03 12:16:24
1	4	87	0:59:59.000	3.3048	-12.0002	12.1969	39860.0	2023-05-03 12:17:24
1	4	88	1:00:59.000	3.3048	-12.0002	12.3969	40520.9	2023-05-03 12:18:24
1	4	89	1:01:59.000	3.3045	-12.0002	12.5969	41181.9	2023-05-03 12:19:24
1	4	90	1:02:59.000	3.3048	-12.0002	12.7969	41842.9	2023-05-03 12:20:24
1	4	91	1:03:59.000	3.3045	-12.0002	12.9969	42503.8	2023-05-03 12:21:24
1	4	92	1:04:59.000	3.3045	-12.0002	13.1969	43164.7	2023-05-03 12:22:24
1	4	93	1:05:59.000	3.3045	-12.0002	13.3969	43825.6	2023-05-03 12:23:24
1	4	94	1:06:59.000	3.3045	-12.0002	13.5969	44486.5	2023-05-03 12:24:24
1	4	95	1:07:59.000	3.3041	-12.0002	13.7969	45147.4	2023-05-03 12:25:24
1	4	96	1:08:59.000	3.3041	-12.0002	14.0002	45808.3	2023-05-03 12:26:24
1	4	97	1:10:00.000	3.3041	-12.0002	14.1969	46480.2	2023-05-03 12:27:24
1	4	98	1:10:59.000	3.3041	-12.0002	14.3969	47130.0	2023-05-03 12:28:24
	4		1:11:59.000		-12.0002		47790.9	

1		99		3.3041		14.5969		2023-05-03 12:29:24
1	4	100	1:12:59.000	3.3041	-12.0002	14.7969	48451.7	2023-05-03 12:30:24
1	4	101	1:13:59.000	3.3041	-12.0002	14.9969	49112.5	2023-05-03 12:31:24
1	4	102	1:14:59.000	3.3038	-12.0002	15.2003	49773.4	2023-05-03 12:32:24
1	4	103	1:16:00.000	3.3038	-12.0002	15.3969	50445.2	2023-05-03 12:33:24
1	4	104	1:16:59.000	3.3038	-12.0002	15.6003	51094.9	2023-05-03 12:34:24
1	4	105	1:18:00.000	3.3038	-12.0002	15.7969	51766.7	2023-05-03 12:35:24
1	4	106	1:18:59.000	3.3038	-12.0002	15.9969	52416.5	2023-05-03 12:36:24
1	4	107	1:19:59.000	3.3038	-12.0002	16.1969	53077.2	2023-05-03 12:37:24
1	4	108	1:20:59.000	3.3035	-12.0002	16.3969	53738.0	2023-05-03 12:38:24
1	4	109	1:21:59.000	3.3035	-12.0002	16.5969	54398.7	2023-05-03 12:39:24
1	4	110	1:22:59.000	3.3035	-12.0002	16.7969	55059.5	2023-05-03 12:40:24
1	4	111	1:23:59.000	3.3035	-12.0002	17.0003	55720.2	2023-05-03 12:41:24
1	4	112	1:25:00.000	3.3035	-12.0002	17.1970	56391.9	2023-05-03 12:42:24
1	4	113	1:25:59.000	3.3032	-12.0002	17.4003	57041.6	2023-05-03 12:43:24
1	4	114	1:27:00.000	3.3032	-11.9990	17.6003	57713.3	2023-05-03 12:44:24
1	4	115	1:28:00.000	3.3032	-12.0002	17.7970	58373.9	2023-05-03 12:45:24
1	4	116	1:28:59.000	3.3029	-12.0002	17.9970	59023.6	2023-05-03 12:46:24
1	4	117	1:29:59.000	3.3029	-12.0002	18.1970	59684.2	2023-05-03 12:47:24
1	4	118	1:30:59.000	3.3029	-12.0002	18.3970	60344.8	2023-05-03 12:48:24
1	4	119	1:31:59.000	3.3029	-12.0002	18.5970	61005.4	2023-05-03 12:49:24
1	4	120	1:32:59.000	3.3029	-12.0002	18.7970	61666.0	2023-05-03 12:50:24
1	4	121	1:33:59.000	3.3026	-11.9990	18.9969	62326.5	2023-05-03 12:51:24
1	4	122	1:34:59.000	3.3026	-11.9990	19.1969	62987.0	2023-05-03 12:52:24
1	4	123	1:35:59.000	3.3026	-11.9990	19.4003	63647.5	2023-05-03 12:53:24
1	4	124	1:37:00.000	3.3023	-12.0002	19.6002	64319.0	2023-05-03 12:54:24
1	4	125	1:38:00.000	3.3023	-11.9990	19.7969	64979.5	2023-05-03 12:55:24
1	4	126	1:38:59.000	3.3023	-11.9990	19.9969	65628.9	2023-05-03 12:56:24
1	4	127	1:39:59.000	3.3023	-11.9990	20.1969	66289.3	2023-05-03 12:57:24
1	4	128	1:40:59.000	3.3020	-11.9990	20.3969	66949.7	2023-05-03 12:58:24
1	4	129	1:41:59.000	3.3020	-11.9990	20.5968	67610.1	2023-05-03 12:59:24
1	4	130	1:42:59.000	3.3017	-11.9990	20.8002	68270.4	2023-05-03 13:00:24
1	4	131	1:44:00.000	3.3017	-11.9990	20.9968	68941.7	2023-05-03 13:01:24
1	4	132	1:44:59.000	3.3017	-11.9990	21.1968	69591.0	2023-05-03 13:02:24
1	4	133	1:45:59.000	3.3017	-11.9990	21.3968	70251.3	2023-05-03 13:03:24
1	4	134	1:46:59.000	3.3017	-11.9990	21.5968	70911.6	2023-05-03 13:04:24
1	4		1:47:59.000		-11.9990		71571.9	

1		135		3.3017		21.8001		2023-05-03 13:05:24
1	4	136	1:49:00.000	3.3014	-12.0002	21.9968	72243.3	2023-05-03 13:06:24
1	4	137	1:49:59.000	3.3014	-12.0002	22.1968	72892.6	2023-05-03 13:07:24
1	4	138	1:50:59.000	3.3014	-12.0002	22.3968	73552.8	2023-05-03 13:08:24
1	4	139	1:51:59.000	3.3014	-12.0002	22.5968	74213.1	2023-05-03 13:09:24
1	4	140	1:52:59.000	3.3014	-12.0002	22.8001	74873.4	2023-05-03 13:10:24
1	4	141	1:54:00.000	3.3010	-12.0002	22.9968	75544.7	2023-05-03 13:11:24
1	4	142	1:54:59.000	3.3010	-12.0002	23.1968	76193.9	2023-05-03 13:12:24
1	4	143	1:55:59.000	3.3010	-12.0002	23.4001	76854.1	2023-05-03 13:13:24
1	4	144	1:57:00.000	3.3010	-12.0002	23.6001	77525.3	2023-05-03 13:14:24
1	4	145	1:58:00.000	3.3010	-12.0002	23.7968	78185.5	2023-05-03 13:15:24
1	4	146	1:58:59.000	3.3007	-12.0002	23.9968	78834.7	2023-05-03 13:16:24
1	4	147	1:59:59.000	3.3007	-12.0002	24.1968	79494.9	2023-05-03 13:17:24
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1	4	653	10:25:37.000	3.1591	-12.0002	125.3272	408459.3	2023-05-03 21:43:24
1	4	654	10:26:37.000	3.1578	-12.0002	125.5272	409091.3	2023-05-03 21:44:24
1	4	655	10:27:37.000	3.1563	-12.0002	125.7272	409723.0	2023-05-03 21:45:24
1	4	656	10:28:37.000	3.1544	-12.0002	125.9305	410354.4	2023-05-03 21:46:24
1	4	657	10:29:38.000	3.1522	-12.0002	126.1305	410996.0	2023-05-03 21:47:24
1	4	658	10:30:38.000	3.1498	-12.0002	126.3305	411626.7	2023-05-03 21:48:24
1	4	659	10:31:38.000	3.1463	-12.0002	126.5272	412256.9	2023-05-03 21:49:24
1	4	660	10:32:37.000	3.1423	-12.0002	126.7305	412876.0	2023-05-03 21:50:24
1	4	661	10:33:38.000	3.1383	-12.0002	126.9305	413515.4	2023-05-03 21:51:24
1	4	662	10:34:38.000	3.1330	-12.0014	127.1272	414143.5	2023-05-03 21:52:24
1	4	663	10:35:37.000	3.1281	-12.0002	127.3272	414760.1	2023-05-03 21:53:24
1	4	664	10:36:37.000	3.1225	-12.0002	127.5272	415386.3	2023-05-03 21:54:24
1	4	665	10:37:37.000	3.1169	-12.0014	127.7272	416011.4	2023-05-03 21:55:24
1	4	666	10:38:37.000	3.1107	-12.0002	127.9272	416635.4	2023-05-03 21:56:24
1	4	667	10:39:37.000	3.1048	-12.0002	128.1272	417258.2	2023-05-03 21:57:24
1	4	668	10:40:37.000	3.0980	-12.0002	128.3272	417879.7	2023-05-03 21:58:24
1	4	669	10:41:37.000	3.0918	-12.0002	128.5272	418500.1	2023-05-03 21:59:24
1	4	670	10:42:37.000	3.0846	-12.0002	128.7272	419119.1	2023-05-03 22:00:24
1	4	671	10:43:37.000	3.0778	-12.0002	128.9272	419736.8	2023-05-03 22:01:24
1	4	672	10:44:37.000	3.0704	-12.0002	129.1273	420353.1	2023-05-03 22:02:24
1	4	673	10:45:37.000	3.0633	-12.0002	129.3273	420968.0	2023-05-03 22:03:24
1	4	674	10:46:37.000	3.0555	-12.0002	129.5306	421581.4	2023-05-03 22:04:24
	4		10:47:38.000				422203.4	

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1	4	677	10:49:38.000	3.0304	-12.0014	130.1273	423422.3	2023-05-03 22:07:24
1	4	678	10:50:37.000	3.0214	-12.0002	130.3273	424019.2	2023-05-03 22:08:24
1	4	679	10:51:37.000	3.0121	-12.0002	130.5273	424624.4	2023-05-03 22:09:24
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1	4	688	11:00:37.000	2.9064	-12.0002	132.3273	429978.8	2023-05-03 22:18:24
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1	4	699	11:11:37.000	2.6205	-12.0002	134.5274	436181.0	2023-05-03 22:29:24
1	4	700	11:12:37.000	2.5502	-12.0002	134.7274	436710.7	2023-05-03 22:30:24
1	4	701	11:13:37.000	2.5000	-12.0002	134.8407	437228.2	2023-05-03 22:30:57
1	4	702	11:14:11.000	2.5083	-12.0002	0.0000	437514.4	2023-05-03 22:30:58
1	5	703	0:00:00.000	2.5375	0.0000	0.0000	0.0	2023-05-03 22:31:58
1	5	704	0:00:59.000	2.5502	0.0000	0.0000	0.0	2023-05-03 22:32:58
1	5	705	0:01:59.000	2.5502	0.0000	0.0000	0.0	2023-05-03 22:32:58
2	5	706	0:02:00.000	2.5613	0.0000	0.0000	0.0	2023-05-03 22:32:59
2	6	707	0:00:00.000	2.6605	11.9977	0.1966	0.0	2023-05-03 22:33:59
2	6	708	0:00:59.000	2.7219	11.9977	0.3999	514.4	2023-05-03 22:34:59
2	6	709	0:02:00.000	2.7659	11.9977	0.5966	1061.9	2023-05-03 22:35:59
2	6	710	0:02:59.000	2.8019	11.9977	0.7965	1601.7	2023-05-03 22:36:59
	6		0:03:59.000		11.9977		2158.3	

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2	6	713	0:05:59.000	2.8850	11.9977	1.3964	3291.0	2023-05-03 22:39:59
2	6	714	0:06:59.000	2.9070	11.9977	1.5997	3865.4	2023-05-03 22:40:59
2	6	715	0:08:00.000	2.9275	11.9977	1.7963	4454.2	2023-05-03 22:41:59
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2	6	727	0:19:59.000	3.0884	11.9977	4.1959	11650.6	2023-05-03 22:53:59
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2	6	737	0:29:59.000	3.1662	11.9977	6.1955	17892.8	2023-05-03 23:03:59
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2	6	741	0:33:58.000	3.1901	11.9977	6.9920	20419.5	2023-05-03 23:07:59
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2	6	774	1:06:55.000	3.2375	11.9977		41672.9	2023-05-03 23:40:59
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2	6	1327	10:19:42.000	3.3795	11.9965	124.1134	410142.2	2023-05-04 08:53:59
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2	6	1381	11:13:42.000	3.6517	3.7921	134.5910	446330.5	2023-05-04 09:47:59
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2	6	1388	11:20:42.000	3.6517	1.0751	134.7851	447180.5	2023-05-04 09:54:59
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2	6	1392	11:24:42.000	3.6514	0.6473	134.8385	447396.0	2023-05-04 09:58:59
2	6	1393	11:25:42.000	3.6517	0.6659	134.8491	447438.0	2023-05-04 09:59:59
2	6	1394	11:26:42.000	3.6517	0.6498	134.8589	447476.6	2023-05-04 09:59:59
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2	6	1396	11:28:42.000	3.6517	0.5096	134.8765	447545.6	2023-05-04 10:02:59
2	6	1397	11:29:43.000	3.6517	0.4861	134.8844	447576.9	2023-05-04 10:03:59
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2	6	1399	11:31:42.000	3.6517	0.4563	134.8987	447632.6	2023-05-04 10:05:59
2	6	1400	11:32:42.000	3.6517	0.4290	134.9052	447657.9	2023-05-04 10:06:59
2	6	1401	11:33:41.000	3.6517	0.3955	134.9113	447681.6	2023-05-04 10:07:59
2	6	1402	11:34:41.000	3.6517	0.3087	134.9170	447704.0	2023-05-04 10:08:59
2	6	1403	11:35:40.000	3.6517	0.3335	134.9226	447724.8	2023-05-04 10:09:59
2	6	1404	11:36:40.000	3.6514	0.3484	134.9279	447745.2	2023-05-04 10:10:59
2	6	1405	11:37:40.000	3.6517	0.2802	134.9329	447764.5	2023-05-04 10:11:59
2	6	1406	11:38:40.000	3.6514	0.2901	134.9365	447782.9	2023-05-04 10:12:43
2	6		11:39:25.000		0.1984		447796.0	

Curver

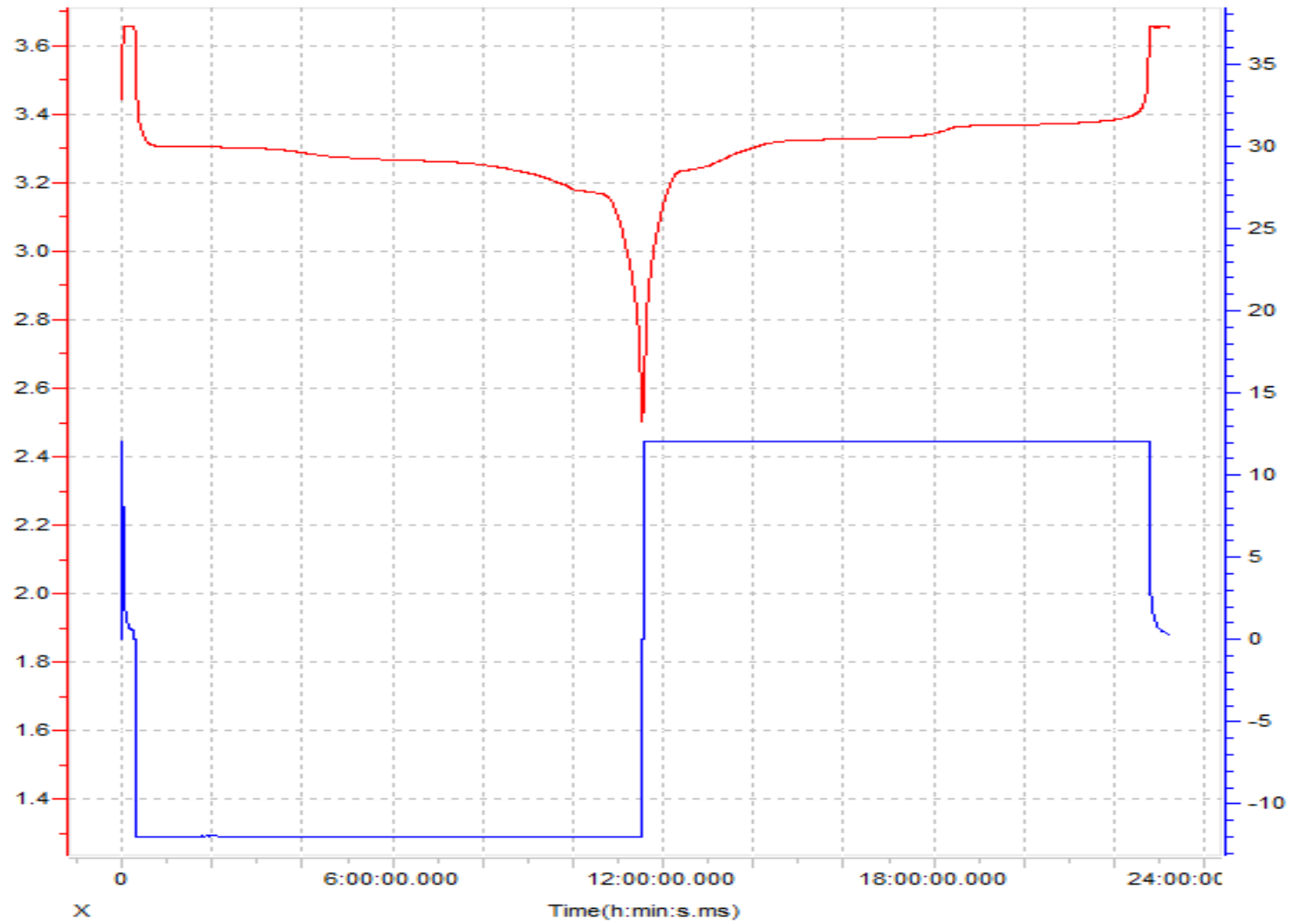
Time--Voltage&&Current

Y2:Voltage(V)

Y3:Current(A)

Y2

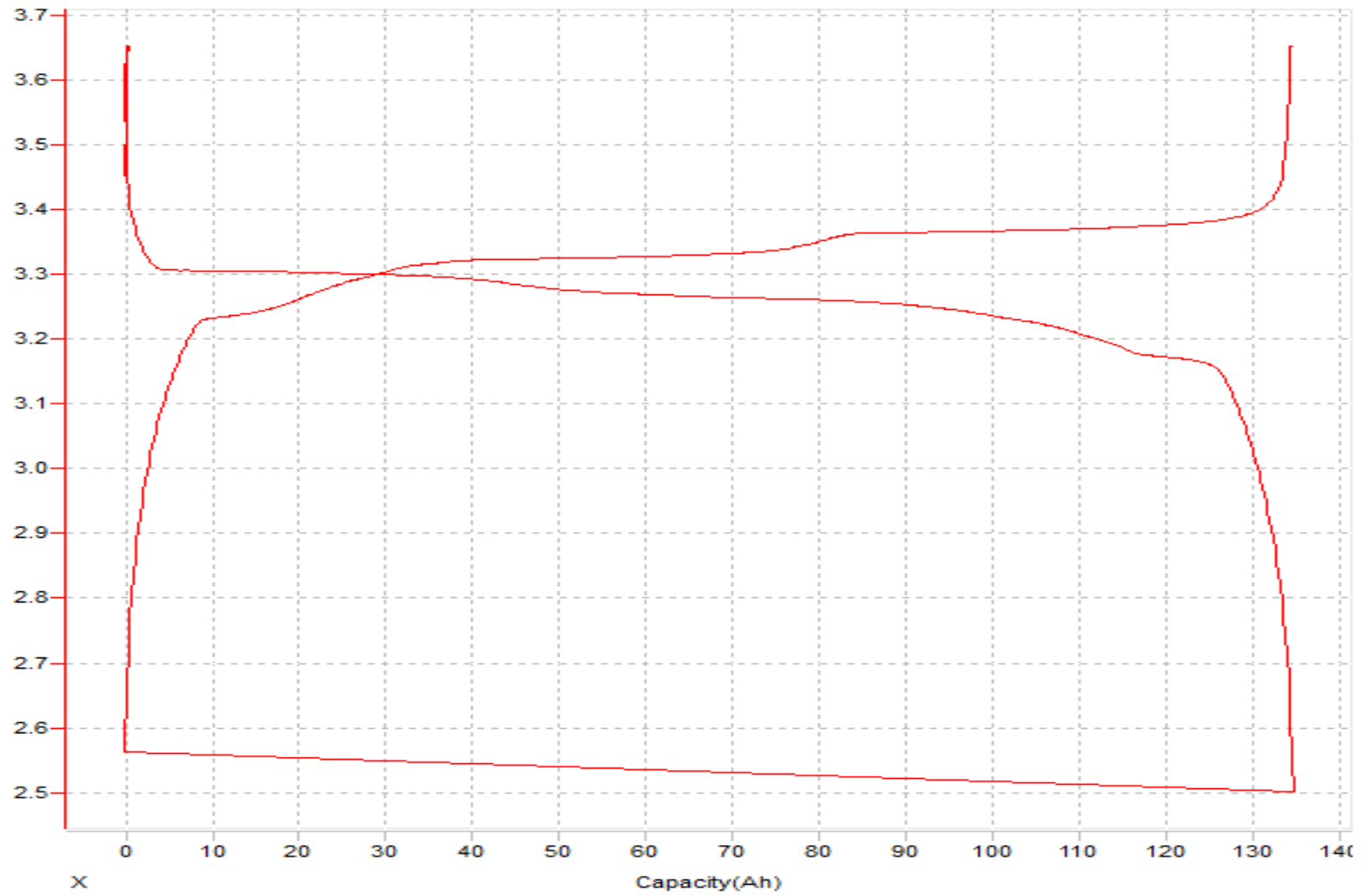
Y3



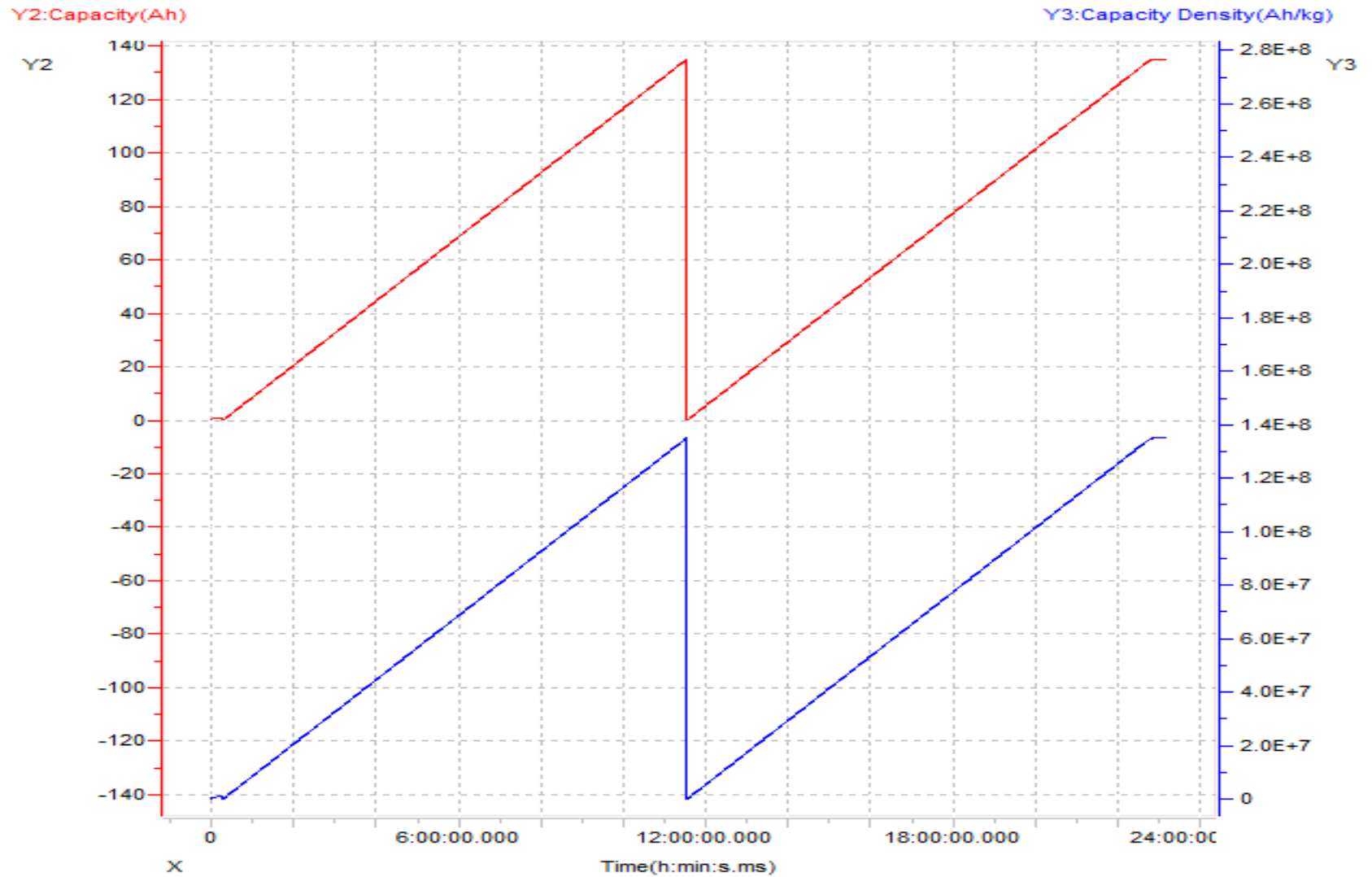
Capacity--Voltage

Y2: Voltage(V)

Y2



Time--Capacity&&Capacity Density

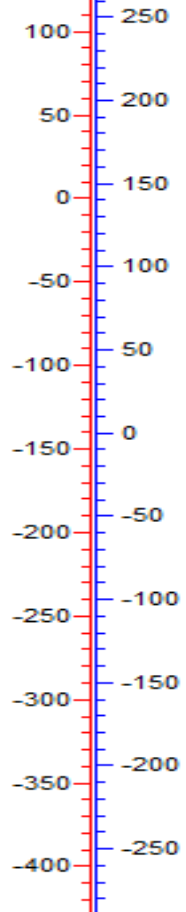


Cycle ID--Cap\_Chg&&Cap\_DChg&&Specific Capacity-Chg&&Specific Capacity-Dchg

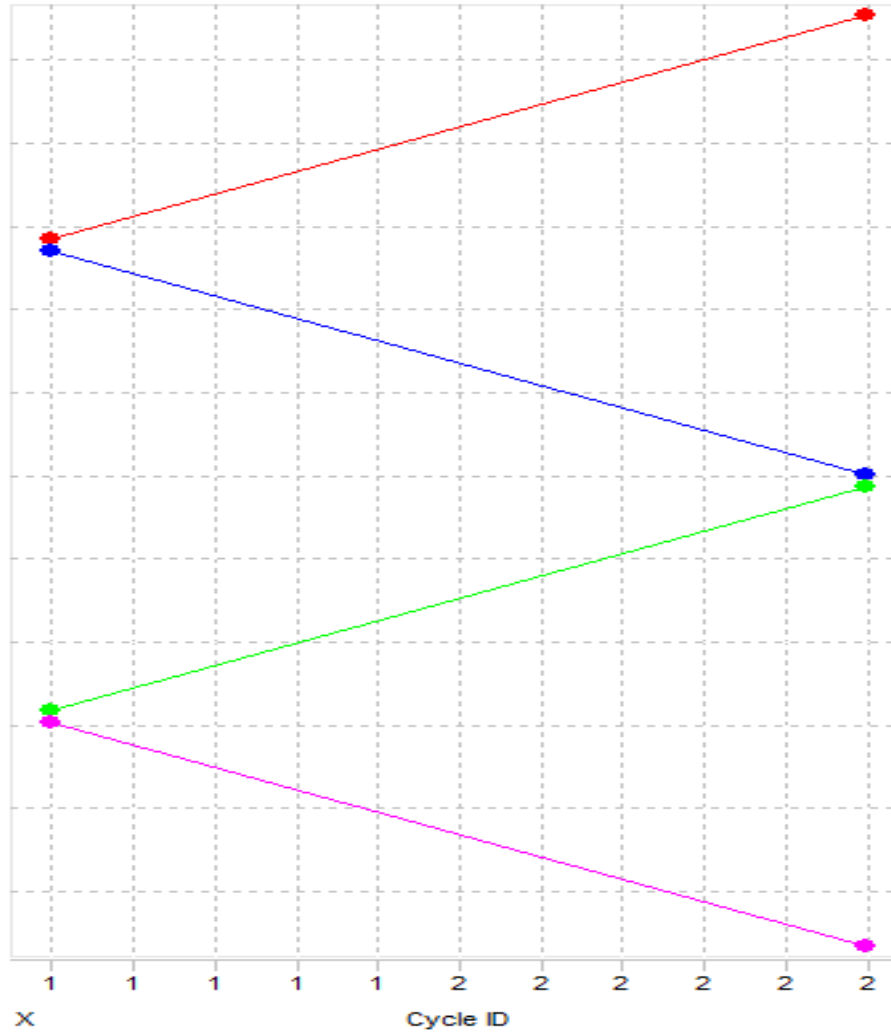
Y2:Cap\_DChg(Ah)

Y1:Cap\_Chg(Ah)

Y1



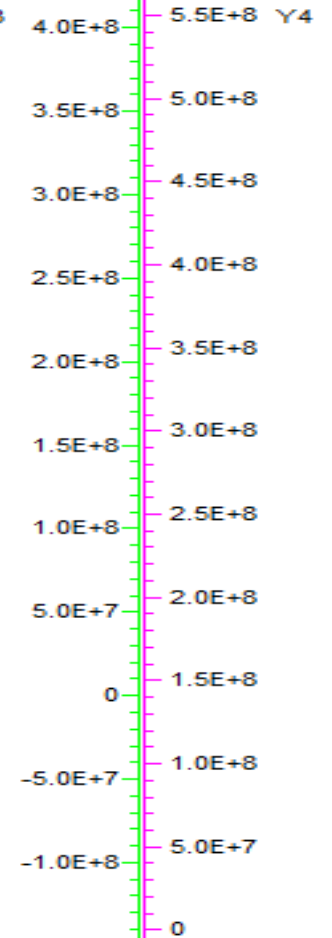
Y2



Y4:Specific Capacity-Dchg(A)

Y3:Specific Capacity-Chg(A)

Y3



Cycle ID--Chg/DChg Efficiency

Y2:Chg/DChg Efficiency

Y2

