

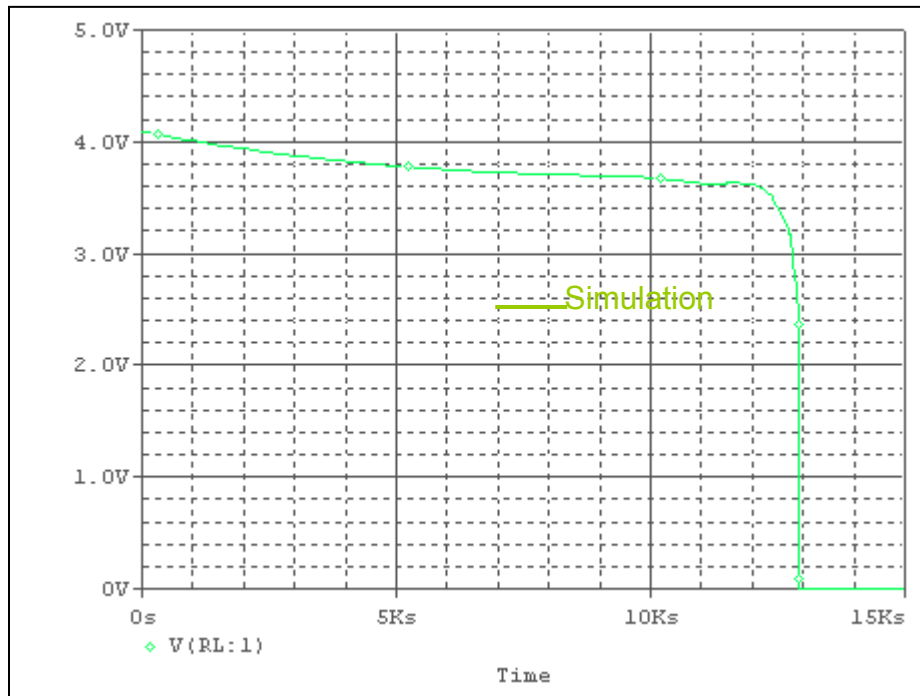
Device Modeling Report

COMPONENTS: Lithium-ion
PART NUMBER: SCP-550
MANUFACTURER: SANYO
CONDITION: RL = 22 (Ω)



Bee Technologies Inc.

Simulation result



omparison Table

Time(kSeconds)	Vdc(V) Measurement	Vdc(V) Simulation	% Error
0.01	4.09139	4.0896	-0.04375
0.10	4.08026	4.0827	0.05980
0.20	4.07032	4.0737	0.08304
0.30	4.06167	4.0647	0.07460
0.40	4.05351	4.0560	0.06143
0.50	4.04563	4.0473	0.04128
0.60	4.03797	4.0388	0.02055
0.70	4.03060	4.0304	-0.00496
0.80	4.02367	4.0241	0.01069
0.90	4.01771	4.0123	-0.13465
1.00	4.01291	4.0139	0.02467
1.10	4.00838	4.0000	-0.20906
1.20	4.00312	3.9868	-0.40768
1.30	3.99649	3.9845	-0.30001
1.40	3.98795	3.9770	-0.27458
1.50	3.97765	3.9695	-0.20489
1.60	3.96650	3.9622	-0.10841
1.70	3.95553	3.9550	-0.01340
1.80	3.94540	3.9480	0.06590
1.90	3.93625	3.9410	0.12067
2.00	3.92813	3.9314	0.08325
2.10	3.92089	3.9291	0.20939
2.20	3.91447	3.9225	0.20514
2.30	3.90891	3.9160	-0.18138
2.40	3.90422	3.9096	-0.13780
2.50	3.90024	3.9021	-0.04769
2.60	3.89649	3.8971	-0.01566
2.80	3.88845	3.8841	0.11187
3.00	3.87920	3.8749	0.11085
3.20	3.86911	3.8637	0.13983
3.40	3.85847	3.8530	0.14177
3.60	3.84743	3.8426	0.12554
3.80	3.83635	3.8327	0.09514
4.00	3.82568	3.8206	0.13279
4.20	3.81543	3.8151	0.00865
4.40	3.80573	3.8063	-0.01498
4.60	3.79680	3.7979	-0.02897
4.80	3.78857	3.7898	-0.03247
5.00	3.78101	3.7831	-0.05528
5.20	3.77400	3.7757	-0.04505
5.40	3.76747	3.7687	-0.03265

5.60	3.76125	3.7620	-0.01994
5.80	3.75539	3.7552	0.00506
6.00	3.74983	3.7505	-0.01787
6.20	3.74455	3.7448	-0.00668
6.40	3.73961	3.7394	0.00562
6.60	3.73496	3.7343	0.01767
6.80	3.73055	3.7296	0.02547
7.00	3.72640	3.7257	0.01878
7.20	3.72244	3.7215	0.02525
7.40	3.71876	3.7175	0.03388
7.60	3.71539	3.7139	0.04010
7.80	3.71231	3.7105	0.04876
8.00	3.70951	3.7078	0.04610
8.50	3.70345	3.7011	0.06345
9.00	3.69698	3.6961	0.02380
9.50	3.68789	3.6874	0.01329
10.00	3.67413	3.6760	-0.05090
10.50	3.65232	3.6516	0.01971
11.00	3.62680	3.6288	-0.05515
11.50	3.61576	3.6357	-0.55147
12.00	3.58880	3.6170	-0.78578
12.10	3.57510	3.5989	-0.66572
12.20	3.55392	3.5805	-0.74791
12.30	3.52179	3.5418	-0.56818
12.40	3.47706	3.5066	-0.84957
12.50	3.41891	3.4136	0.15531
12.60	3.34182	3.3060	1.07187
12.70	3.23173	3.2296	0.06591
12.72	3.20306	3.2111	-0.25101
12.74	3.17091	3.1926	-0.68403
12.76	3.13299	3.1372	-0.13438
12.78	3.08153	3.0264	1.78905
12.79	3.04682	2.9895	1.88131
12.80	3.00606	2.9710	1.16631
12.81	2.96005	2.9156	1.50166
12.82	2.91013	2.8602	1.71573
12.83	2.85829	2.8232	1.22766
12.84	2.80569	2.7678	1.35047
12.85	2.75338	2.7124	1.48835
12.86	2.70220	2.6755	0.98808
12.87	2.65176	2.6201	1.19392
12.88	2.60108	2.5646	1.40249
12.89	2.54860	2.5092	1.54595
12.90	2.49261	2.4354	2.29518
12.91	2.43210	2.3800	2.14218

12.92	2.36779	2.3245	1.82829
12.93	2.30233	2.2322	3.04604
12.94	0.00000	0.0000	0
13.00	0.00000	0.0000	0
13.10	0.00000	0.0000	0
13.20	0.00000	0.0000	0
13.30	0.00000	0.0000	0
13.40	0.00000	0.0000	0
13.50	0.00000	0.0000	0
13.60	0.00000	0.0000	0
13.70	0.00000	0.0000	0
13.80	0.00000	0.0000	0
13.90	0.00000	0.0000	0
14.00	0.00000	0.0000	0
14.10	0.00000	0.0000	0
14.20	0.00000	0.0000	0
14.30	0.00000	0.0000	0
14.40	0.00000	0.0000	0
14.50	0.00000	0.0000	0
14.60	0.00000	0.0000	0
14.70	0.00000	0.0000	0
14.80	0.00000	0.0000	0
14.90	0.00000	0.0000	0
15.00	0.00000	0.0000	0

Comparison Graph

