

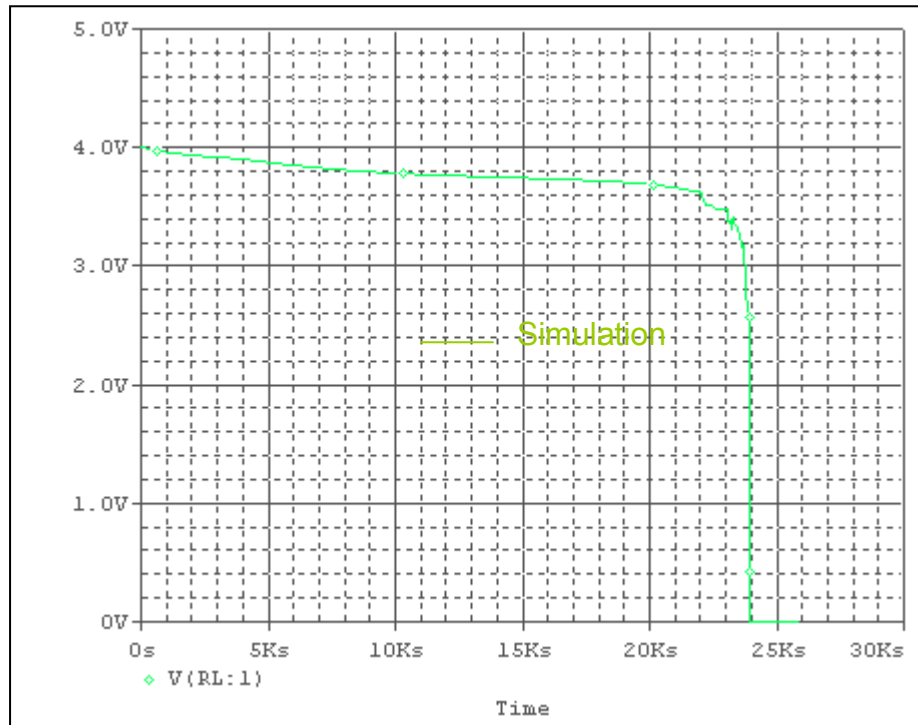
Device Modeling Report

COMPONENTS: Lithium-ion
PART NUMBER: SCP-550
MANUFACTURER: SANYO
CONDITION: RL = 51 (Ω)



Bee Technologies Inc.

Simulation result



Comparison Table

Time(kSeconds)	Vdc(V) Measurement	Vdc(V) Simulation	% Error
0.00	4.01243	4.0058	-0.16524
0.10	4.00117	3.9975	-0.09172
0.20	3.99389	3.9949	0.02529
0.30	3.98790	3.9898	0.04764
0.40	3.98263	3.9827	0.00176
0.50	3.97784	3.9782	0.00905
0.60	3.97349	3.9740	0.01284
0.70	3.96946	3.9701	0.01612
0.80	3.96575	3.9663	0.01387
0.90	3.96223	3.9628	0.01439
1.00	3.95897	3.9594	0.01086
1.20	3.95310	3.9533	0.00506
1.40	3.94776	3.9478	0.00101
1.60	3.94300	3.9429	-0.00254
1.80	3.93887	3.9386	-0.00685
2.00	3.93562	3.9337	-0.04879
2.20	3.93292	3.9302	-0.06916
2.40	3.93022	3.9270	-0.08193
2.60	3.92715	3.9239	-0.08276
2.80	3.92369	3.9209	-0.07111
3.00	3.91970	3.9180	-0.04337
3.20	3.91543	3.9150	-0.01098
3.40	3.91099	3.9119	0.02327
3.60	3.90657	3.9076	-0.02637
3.80	3.90216	3.9039	-0.04459
4.00	3.89776	3.8998	-0.05234
4.20	3.89323	3.8952	-0.05060
4.40	3.88871	3.8901	-0.03574
4.60	3.88402	3.8843	-0.00721
4.80	3.87925	3.8779	0.03480
5.00	3.87438	3.8739	0.01239
5.20	3.86953	3.8689	0.01628
5.40	3.86439	3.8651	-0.01837
5.60	3.85926	3.8589	0.00933
5.80	3.85453	3.8541	0.01116
6.00	3.84989	3.8495	0.01013
6.20	3.84549	3.8450	0.01274
6.40	3.84117	3.8407	0.01224
6.60	3.83683	3.8365	0.00860
7.00	3.82839	3.8276	0.02064
7.20	3.82452	3.8239	0.01621

7.40	3.82084	3.8203	0.01413
7.60	3.81751	3.8168	0.01860
7.80	3.81428	3.8135	0.02045
8.00	3.81113	3.8103	0.02178
8.20	3.80803	3.8071	0.02442
8.40	3.80438	3.8034	0.02576
8.60	3.80117	3.8005	0.01763
8.80	3.79839	3.7971	0.03396
9.00	3.79607	3.7951	0.02555
9.20	3.79369	3.7926	0.02873
9.40	3.79137	3.7901	0.03350
9.60	3.78902	3.7877	0.03484
9.80	3.78663	3.7854	0.03248
10.00	3.78424	3.7832	0.02748
10.50	3.77875	3.7775	0.03308
11.00	3.77341	3.7719	0.04002
11.50	3.76825	3.7685	-0.00663
12.00	3.76350	3.7641	-0.01594
12.50	3.75841	3.7604	-0.05295
13.00	3.75459	3.7568	-0.05886
13.50	3.75061	3.7531	-0.06639
14.00	3.74693	3.7498	-0.07660
14.50	3.74370	3.7465	-0.07479
15.00	3.74105	3.7431	-0.05480
15.50	3.73876	3.7393	-0.01444
16.00	3.73661	3.7358	0.02168
16.50	3.73416	3.7319	0.06052
17.00	3.73101	3.7274	0.09676
17.50	3.72695	3.7230	0.10598
18.00	3.72134	3.7181	0.08707
18.50	3.71544	3.7123	0.08451
19.00	3.70881	3.7065	0.06228
19.50	3.69881	3.7001	-0.03488
20.00	3.68702	3.6870	0.00054
21.00	3.66037	3.6599	0.01284
22.00	3.62176	3.6359	-0.39042
22.10	3.54690	3.5515	-0.12969
22.20	3.51543	3.5145	0.02645
22.50	3.49692	3.4939	0.08636
22.60	3.48446	3.4838	0.01894
22.90	3.48190	3.4813	0.01723
23.10	3.47232	3.4265	1.31958
23.20	3.42387	3.3355	2.58100
23.22	3.41721	3.3193	2.86520
23.24	3.41035	3.3187	2.68741

23.26	3.40333	3.3615	1.22909
23.28	3.39610	3.3997	-0.10600
23.30	3.38864	3.3966	-0.23490
23.40	3.32396	3.3405	-0.49760
23.42	3.31383	3.3401	-0.79274
23.44	3.30321	3.3184	-0.45986
23.46	3.29775	3.3193	-0.65348
23.48	3.28635	3.2982	-0.36058
23.50	3.27438	3.2938	-0.59309
23.55	3.24141	3.2449	-0.10767
23.60	3.20260	3.2137	-0.34659
23.65	3.15167	3.1926	-1.29868
23.70	3.05077	3.1715	-3.95736
23.71	3.01711	3.1504	-4.41780
23.72	2.97783	3.0845	-3.58214
23.73	2.93482	3.0487	-3.88031
23.74	2.89122	3.0039	-3.89732
23.75	2.84868	2.9681	-4.19212
23.76	2.80776	2.9233	-4.11502
23.77	2.76879	2.8875	-4.28743
23.78	2.73196	2.8517	-4.38293
23.79	2.69728	2.8159	-4.39776
23.80	2.66455	2.7800	-4.33281
23.81	2.63340	2.7532	-4.54925
23.82	2.60354	2.7174	-4.37328
23.83	2.57462	2.6905	-4.50086
23.84	2.54638	2.6547	-4.25388
23.85	2.51863	2.6278	-4.33450
23.86	2.49136	2.6009	-4.39680
23.87	2.46457	2.5741	-4.44418
23.88	2.43832	2.5472	-4.46537
23.89	2.41271	2.5293	-4.83233
23.90	2.38786	2.5024	-4.79676
23.91	2.36379	2.4756	-4.73012
23.92	2.34056	2.4577	-5.00479
23.93	2.31808	2.3771	-2.54607
23.94	0.00000	0.0000	0
23.95	0.00000	0.0000	0
24.00	0.00000	0.0000	0
24.01	0.00000	0.0000	0
24.02	0.00000	0.0000	0
24.03	0.00000	0.0000	0
24.04	0.00000	0.0000	0
24.05	0.00000	0.0000	0
24.06	0.00000	0.0000	0

24.07	0.00000	0.0000	0
24.08	0.00000	0.0000	0
24.09	0.00000	0.0000	0
24.10	0.00000	0.0000	0
24.20	0.00000	0.0000	0
24.30	0.00000	0.0000	0
24.40	0.00000	0.0000	0
24.50	0.00000	0.0000	0
24.60	0.00000	0.0000	0
24.70	0.00000	0.0000	0
24.80	0.00000	0.0000	0
24.90	0.00000	0.0000	0
25.50	0.00000	0.0000	0
24.60	0.00000	0.0000	0
24.70	0.00000	0.0000	0
24.80	0.00000	0.0000	0
24.90	0.00000	0.0000	0
25.50	0.00000	0.0000	0
25.60	0.00000	0.0000	0
25.70	0.00000	0.0000	0
25.80	0.00000	0.0000	0
25.90	0.00000	0.0000	0

Comparison Graph

