

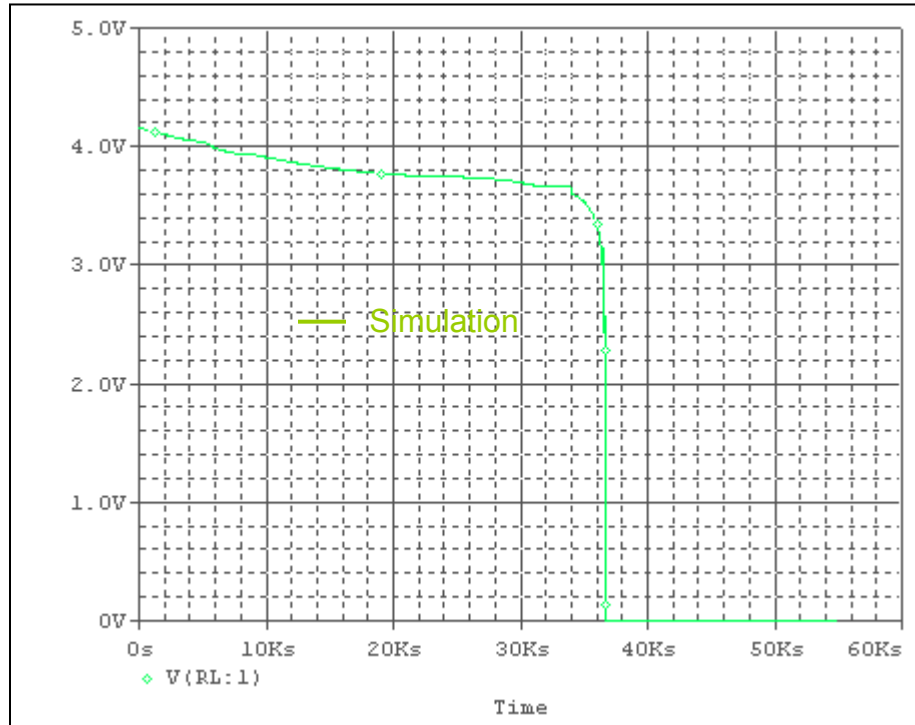
Device Modeling Report

COMPONENTS: Lithium-ion
PART NUMBER: EB-BSD55S
MANUFACTURER: PANASONIC
CONDITION: RL=51 (Ω)



Bee Technologies Inc.

Simulation result



Comparison Table

Time(kSeconds)	Vdc(V) Measurement	Vdc(V) Simulation	% Error
0.01	4.15829	4.1574	-0.02140
0.10	4.15441	4.1549	0.01179
0.20	4.15235	4.1498	-0.06141
0.30	4.14915	4.1472	-0.04700
0.40	4.14607	4.1446	-0.03546
0.50	4.14308	4.1419	-0.02848
0.60	4.14018	4.1369	-0.07922
0.70	4.13730	4.1366	-0.01692
0.80	4.13442	4.1339	-0.01258
0.90	4.13156	4.1312	-0.00871
1.00	4.12872	4.1285	-0.00533
1.10	4.12587	4.1258	-0.00170
1.20	4.12302	4.1205	-0.06112
1.30	4.12021	4.1204	0.00461
1.40	4.11732	4.1177	0.00923
1.50	4.11457	4.1150	0.01045
1.60	4.11175	4.1096	-0.05229
1.70	4.10896	4.1042	-0.11584
1.80	4.10615	4.1043	-0.04505
1.90	4.10341	4.1017	-0.04167
2.00	4.10066	4.0990	-0.04048
2.20	4.09518	4.0939	-0.03126
2.40	4.08970	4.0888	-0.02201
2.60	4.08424	4.0839	0.00832
2.80	4.07887	4.0768	0.05075
3.00	4.07356	4.0686	0.12176
3.20	4.06815	4.0679	0.00615
3.40	4.06334	4.0638	-0.01132
3.60	4.05872	4.0600	-0.03154
3.80	4.05470	4.0547	0.00000
4.00	4.05193	4.0515	0.01061
4.20	4.05022	4.0487	0.03753
4.40	4.04845	4.0461	0.05805
4.60	4.04620	4.0440	0.05437
4.80	4.04324	4.0422	0.02572
5.00	4.03858	4.0419	-0.08221
5.20	4.03144	4.0251	0.15726
5.40	4.02138	4.0140	0.18352
5.60	4.00937	4.0053	0.10151
5.80	3.99746	3.9947	0.06904

6.00	3.98679	3.9862	0.01480
6.20	3.97760	3.9786	-0.02514
6.40	3.96985	3.9716	-0.04408
6.60	3.96319	3.9625	0.01741
6.80	3.95761	3.9572	0.01036
7.00	3.95287	3.9526	0.00683
7.20	3.94859	3.9484	0.00481
7.40	3.94480	3.9448	0.00000
7.60	3.94152	3.9403	0.03095
7.80	3.93897	3.9379	0.02716
8.00	3.93722	3.9358	0.03607
8.20	3.93578	3.9332	0.06555
8.40	3.93422	3.9326	0.04118
8.60	3.93248	3.9315	0.02492
8.80	3.93048	3.9302	0.00712
9.00	3.92794	3.9311	-0.08045
9.20	3.92495	3.9267	-0.04459
9.40	3.92167	3.9223	-0.01606
9.60	3.91820	3.9162	0.05104
9.80	3.91464	3.9139	0.01890
10.00	3.91109	3.9097	0.03554
10.50	3.90211	3.8976	0.11558
11.00	3.89284	3.8880	0.12433
11.50	3.88315	3.8768	0.16353
12.00	3.87305	3.8679	0.13297
12.50	3.86261	3.8594	0.08310
13.00	3.85196	3.8495	0.06386
13.50	3.84158	3.8417	-0.00312
14.00	3.83201	3.8328	-0.02062
14.50	3.82336	3.8257	-0.06120
15.00	3.81574	3.8153	0.01153
15.50	3.80842	3.8113	-0.07562
16.00	3.80232	3.8052	-0.07574
16.50	3.79637	3.7983	-0.05084
17.00	3.79148	3.7929	-0.03745
17.50	3.78666	3.7878	-0.03011
18.00	3.78226	3.7821	0.00423
18.50	3.77807	3.7776	0.01244
19.00	3.77416	3.7726	0.04133
19.50	3.77032	3.7688	0.04031
20.00	3.76673	3.7652	0.04062
20.50	3.76327	3.7613	0.05235
21.00	3.76004	3.7583	0.04628
21.50	3.75693	3.7550	0.05137
22.00	3.75409	3.7526	0.03969

22.50	3.75135	3.7504	0.02532
23.00	3.74888	3.7481	0.02081
23.50	3.74667	3.7465	0.00454
24.00	3.74486	3.7448	0.00160
24.50	3.74336	3.7437	-0.00908
25.00	3.74187	3.7428	-0.02485
25.50	3.74024	3.7404	-0.00428
26.00	3.73829	3.7384	-0.00294
26.50	3.73590	3.7354	0.01338
27.00	3.73266	3.7325	0.00429
27.50	3.72834	3.7289	-0.01502
28.00	3.72322	3.7238	-0.01558
28.50	3.71845	3.7186	-0.00403
29.00	3.71294	3.7112	0.04686
29.50	3.70449	3.7039	0.01593
30.00	3.69431	3.6887	0.15186
31.00	3.67250	3.6741	-0.04357
32.00	3.66397	3.6657	-0.04722
33.00	3.66091	3.6627	-0.04889
34.00	3.65462	3.6253	0.80227
35.00	3.59042	3.5362	1.51013
36.00	3.39445	3.3090	2.51734
36.10	3.36245	3.2929	2.06843
36.20	3.32550	3.2612	1.93354
36.30	3.28159	3.2296	1.58429
36.40	3.22693	3.1979	0.89962
36.50	3.14200	3.0396	3.25907
36.52	3.10593	3.1029	0.09756
36.54	3.04600	2.8496	6.44780
36.56	2.95096	2.6438	10.40882
36.58	2.84864	2.5488	10.52572
36.60	2.76337	2.4697	10.62724
36.62	2.69515	2.4063	10.71740
36.64	2.63982	2.3272	11.84247
36.66	2.59347	2.2797	12.09846
36.68	2.55340	2.2480	11.96052
36.70	2.51771	2.4538	2.53842
36.71	0.00000	0.0000	0
36.80	0.00000	0.0000	0
36.90	0.00000	0.0000	0
37.50	0.00000	0.0000	0
38.00	0.00000	0.0000	0
39.00	0.00000	0.0000	0
40.00	0.00000	0.0000	0
41.00	0.00000	0.0000	0

42.00	0.00000	0.0000	0
43.00	0.00000	0.0000	0
44.00	0.00000	0.0000	0
45.00	0.00000	0.0000	0
46.00	0.00000	0.0000	0
47.00	0.00000	0.0000	0
48.00	0.00000	0.0000	0
49.00	0.00000	0.0000	0
50.00	0.00000	0.0000	0
51.00	0.00000	0.0000	0
52.00	0.00000	0.0000	0
53.00	0.00000	0.0000	0
54.00	0.00000	0.0000	0
55.00	0.00000	0.0000	0
55.50	0.00000	0.0000	0

Comparison Graph

