

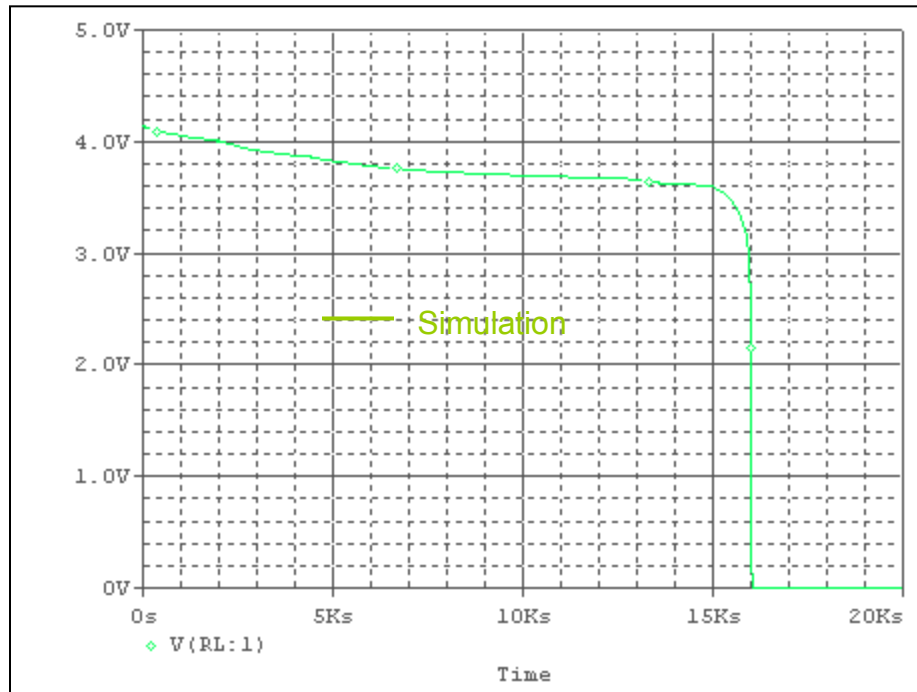
Device Modeling Report

COMPONENTS: Lithium-ion
PART NUMBER: EB-BSD55S
MANUFACTURER: PANASONIC
CONDITION: RL = 22 (Ω)



Bee Technologies Inc.

Simulation result



Comparison Table

Time(kSeconds)	Vdc(V) Measurement	Vdc(V) Simulation	% Error
0.01	4.13260	4.1348	0.05324
0.10	4.13185	4.1217	-0.24565
0.20	4.10942	4.1135	0.09928
0.30	4.09997	4.1019	0.04707
0.40	4.09250	4.0947	0.05376
0.50	4.08553	4.0846	-0.02276
0.60	4.07896	4.0783	-0.01618
0.70	4.07238	4.0694	-0.07318
0.80	4.06582	4.0638	-0.04968
0.90	4.05962	4.0559	-0.09163
1.00	4.05313	4.0510	-0.05255
1.10	4.04678	4.0440	-0.06870
1.20	4.04050	4.0396	-0.02227
1.30	4.03437	4.0333	-0.02652
1.40	4.02797	4.0303	0.05785
1.60	4.01746	4.0197	0.05576
1.80	4.01111	4.0107	-0.01022
2.00	4.00405	4.0080	0.09865
2.20	3.99352	3.9846	-0.22336
2.40	3.97228	3.9651	-0.18075
2.60	3.94676	3.9440	-0.06993
2.80	3.92856	3.9307	0.05447
3.00	3.91545	3.9178	0.06002
3.20	3.90537	3.9067	-0.03406
3.40	3.89823	3.8973	0.02386
3.60	3.89192	3.8890	0.07503
3.80	3.88543	3.8816	0.09857
4.00	3.87763	3.8748	0.07298
4.20	3.86924	3.8681	0.02946
4.40	3.86039	3.8559	0.11631
4.60	3.84040	3.8461	-0.14842
4.80	3.83416	3.8310	0.08242
5.00	3.82448	3.8236	0.02301
5.20	3.81847	3.8134	0.13278
5.40	3.80788	3.8038	0.10715
5.60	3.79723	3.7949	0.06136
5.80	3.78323	3.7866	-0.08908
6.00	3.77198	3.7789	-0.18346
6.20	3.76872	3.7717	-0.07907
6.40	3.76507	3.7650	0.00186

6.60	3.76032	3.7587	0.04308
6.80	3.75484	3.7530	0.04900
7.00	3.74902	3.7476	0.03788
7.20	3.74166	3.7426	-0.02512
7.40	3.73914	3.7380	0.03049
7.60	3.73497	3.7337	0.03400
7.80	3.73366	3.7297	0.10606
8.00	3.72766	3.7260	0.04453
8.20	3.72414	3.7224	0.04672
8.40	3.72069	3.7191	0.04273
8.60	3.71612	3.7166	-0.01292
8.80	3.71023	3.7129	-0.07196
9.00	3.70967	3.7100	-0.00890
9.20	3.70676	3.7071	-0.00917
9.40	3.70215	3.7043	-0.05807
9.60	3.70116	3.7013	-0.00378
9.80	3.70035	3.6987	0.04459
10.00	3.69871	3.6992	-0.01325
10.20	3.69493	3.6945	0.01164
10.40	3.69161	3.6907	0.02465
10.60	3.68322	3.6879	-0.12706
10.80	3.68470	3.6856	-0.02443
11.00	3.68264	3.6839	-0.03421
11.20	3.68383	3.6826	0.03339
11.40	3.68293	3.6813	0.04426
11.60	3.68063	3.6801	0.01440
11.80	3.67539	3.6786	-0.08734
12.00	3.67516	3.6768	-0.04462
12.20	3.67548	3.6744	0.02938
12.40	3.67166	3.6712	0.01253
12.60	3.66651	3.6672	-0.01882
12.80	3.66197	3.6621	-0.00355
13.00	3.65474	3.6557	-0.02627
13.20	3.64776	3.6479	-0.00384
13.40	3.63927	3.6385	0.02116
13.60	3.62879	3.6222	0.18160
13.80	3.62521	3.6187	0.17958
14.00	3.62311	3.6465	-0.64558
14.20	3.62130	3.6151	0.17121
14.40	3.61894	3.6124	0.18072
14.60	3.61549	3.6084	0.19610
14.80	3.61032	3.6017	0.23876
15.00	3.60014	3.6000	0.00389
8.20	3.72414	3.7224	0.04672
8.40	3.72069	3.7191	0.04273

8.60	3.71612	3.7166	-0.01292
8.80	3.71023	3.7129	-0.07196
9.00	3.70967	3.7100	-0.00890
9.20	3.70676	3.7071	-0.00917
9.40	3.70215	3.7043	-0.05807
9.60	3.70116	3.7013	-0.00378
9.80	3.70035	3.6987	0.04459
10.00	3.69871	3.6992	-0.01325
10.20	3.69493	3.6945	0.01164
10.40	3.69161	3.6907	0.02465
10.60	3.68322	3.6879	-0.12706
10.80	3.68470	3.6856	-0.02443
11.00	3.68264	3.6839	-0.03421
11.20	3.68383	3.6826	0.03339
11.40	3.68293	3.6813	0.04426
11.60	3.68063	3.6801	0.01440
11.80	3.67539	3.6786	-0.08734
12.00	3.67516	3.6768	-0.04462
12.20	3.67548	3.6744	0.02938
12.40	3.67166	3.6712	0.01253
12.60	3.66651	3.6672	-0.01882
12.80	3.66197	3.6621	-0.00355
13.00	3.65474	3.6557	-0.02627
13.20	3.64776	3.6479	-0.00384
13.40	3.63927	3.6385	0.02116
13.60	3.62879	3.6222	0.18160
13.80	3.62521	3.6187	0.17958
14.00	3.62311	3.6465	-0.64558
14.20	3.62130	3.6151	0.17121
14.40	3.61894	3.6124	0.18072
14.60	3.61549	3.6084	0.19610
14.80	3.61032	3.6017	0.23876
15.00	3.60014	3.6000	0.00389
15.50	3.47028	3.4644	0.16944
15.60	3.42230	3.4146	0.22499
15.70	3.36368	3.3499	0.40967
15.75	3.32806	3.2782	1.49817
15.80	3.28616	3.2681	0.54958
15.85	3.23518	3.2354	-0.00680
15.90	3.16898	3.1863	-0.54655
16.00	2.57641	2.5646	0.45839
16.01	2.52719	2.4992	1.10755
16.02	0.00000	0.0000	0
16.10	0.00000	0.0000	0
16.20	0.00000	0.0000	0

16.40	0.00000	0.0000	0
16.60	0.00000	0.0000	0
16.80	0.00000	0.0000	0
17.00	0.00000	0.0000	0
17.20	0.00000	0.0000	0
17.40	0.00000	0.0000	0
17.60	0.00000	0.0000	0
17.80	0.00000	0.0000	0
18.00	0.00000	0.0000	0
18.50	0.00000	0.0000	0
19.00	0.00000	0.0000	0
19.50	0.00000	0.0000	0
20.00	0.00000	0.0000	0

Comparison Graph

