

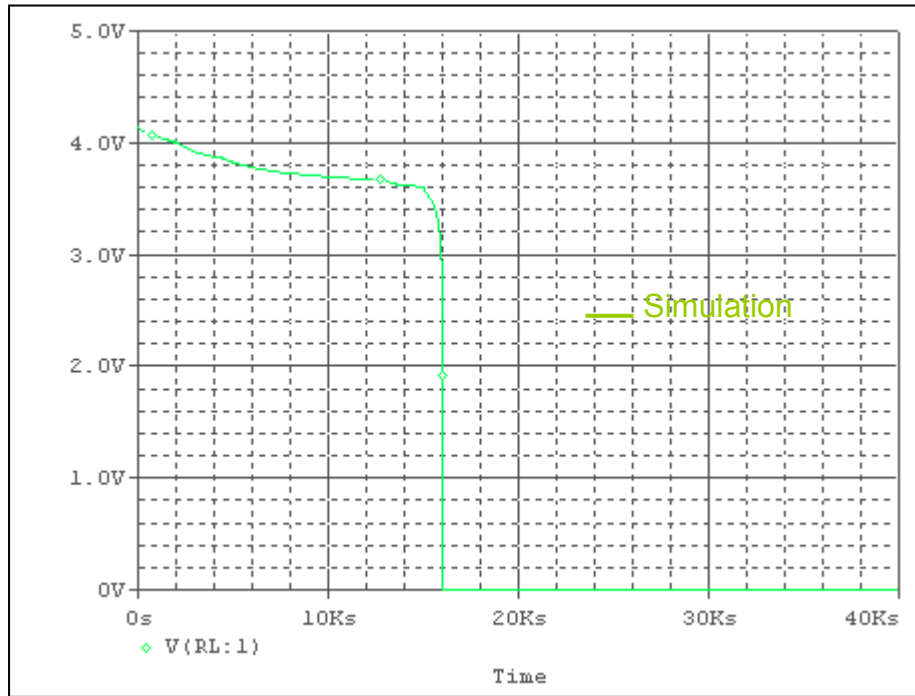
Device Modeling Report

COMPONENTS: Lithium-ion
PART NUMBER: EB-BSD55S
MANUFACTURER: PANASONIC
CONDITION: RL = 33 (Ω)



Bee Technologies Inc.

Simulation result



Comparison Table

Time(kSeconds)	Vdc(V) Measurement	Vdc(V) Simulation	% Error
0.01	4.15810	4.1547	-0.08177
0.20	4.14131	4.1421	0.01908
0.40	4.13170	4.1328	0.02662
0.60	4.12316	4.1237	0.01310
0.80	4.11472	4.1149	0.00437
1.00	4.10612	4.1035	-0.06381
1.20	4.09757	4.0953	-0.05540
1.40	4.08900	4.0873	-0.04157
1.60	4.08068	4.0772	-0.08528
1.80	4.07242	4.0700	-0.05942
2.00	4.06423	4.0631	-0.02780
2.20	4.05628	4.0566	0.00789
2.40	4.04868	4.0486	-0.00198
2.60	4.04200	4.0430	0.02474
2.80	4.03775	4.0379	0.00371
3.00	4.03450	4.0333	-0.02974
3.20	4.03045	4.0291	-0.03350
3.40	4.02429	4.0248	0.01267
3.60	4.01339	4.0084	-0.12433
3.80	3.99673	3.9933	-0.08582
4.00	3.97903	3.9755	-0.08872
4.20	3.96435	3.9638	-0.01387
4.40	3.95287	3.9535	0.01594
4.60	3.94395	3.9447	-0.01902
4.80	3.93672	3.9352	0.03861
5.00	3.93081	3.9298	0.02569
5.50	3.92651	3.9257	0.02063
5.50	3.92245	3.9303	-0.20013
6.00	3.91423	3.9140	0.00588
6.50	3.90199	3.8981	0.09969
7.00	3.88822	3.8811	0.18312
7.50	3.87355	3.8667	0.17684
8.00	3.85824	3.8531	0.13322
8.50	3.84240	3.8401	0.05986
9.00	3.82700	3.8279	-0.02352
9.50	3.81334	3.8164	-0.08024
10.00	3.80185	3.8056	-0.09864
10.50	3.79203	3.7942	-0.05723
11.00	3.78339	3.7849	-0.03991
11.50	3.77562	3.7764	-0.02066
12.00	3.76843	3.7685	-0.00186

12.50	3.76193	3.7613	0.01675
13.00	3.75595	3.7548	0.03062
13.50	3.75041	3.7484	0.05359
14.00	3.74534	3.7435	0.04913
14.50	3.74078	3.7392	0.04224
15.00	3.73665	3.7357	0.02542
15.50	3.73330	3.7329	0.01071
15.50	3.73330	3.7329	0.01071
16.00	3.73070	3.7308	-0.00268
16.50	3.72836	3.7293	-0.02521
17.00	3.72568	3.7251	0.01557
17.50	3.72214	3.7214	0.01988
18.00	3.71698	3.7166	0.01022
18.50	3.71003	3.7101	-0.00189
19.00	3.70223	3.7014	0.02242
19.50	3.69033	3.6901	0.00623
20.00	3.67603	3.6757	0.00898
20.50	3.65722	3.6572	0.00055
21.00	3.65093	3.6517	-0.02109
21.50	3.64826	3.6489	-0.01754
22.00	3.64441	3.6453	-0.02442
23.00	3.63658	3.6367	-0.00330
23.50	3.58589	3.5848	0.03040
23.35	3.45674	3.4505	0.18052
23.60	3.41971	3.4304	-0.31260
23.70	3.37624	3.3879	-0.34535
23.80	3.32336	3.3245	-0.03430
23.90	3.25507	3.2454	0.29708
24.00	3.15152	3.1504	0.03554
24.01	3.13387	3.1346	-0.02329
24.02	3.11051	3.0871	0.75261
24.03	3.07645	3.0712	0.17065
24.04	3.02489	3.0238	0.03603
24.05	2.94575	2.9446	0.03904
24.06	2.85015	2.8496	0.01930
24.07	2.76237	2.7705	-0.29431
24.08	2.68877	2.6755	0.49353
24.09	2.62845	2.6280	0.01712
24.10	2.57860	2.5646	0.54293
24.11	2.53667	2.4855	2.01721
24.12	0.00000	0.0000	0
24.20	0.00000	0.0000	0
24.50	0.00000	0.0000	0
25.00	0.00000	0.0000	0
26.00	0.00000	0.0000	0

27.00	0.00000	0.0000	0
28.00	0.00000	0.0000	0
29.00	0.00000	0.0000	0
30.00	0.00000	0.0000	0
35.00	0.00000	0.0000	0
40.00	0.00000	0.0000	0

Comparison Graph

