Test results for the original Small Capa, which featured a 20W solar panel and a 14Wh capacitor.
Place: Tokyo Period: June 2009 ~ November 2009
The orange cells are the days that the battery could not reach a full charge (total 21 times, average 3.5 times/month). Notice that the battery has trouble charging on days with less than 4MJ of sunlight. The % is the amount the battery was charged. The minimum charge was 35%, on November 19.

Tokyo, June 2009

Day	Time until full charge (*1)	Hours of sunlight (h)	Solar energy per day (MJ／m^2)
1		1.9	11.6
2		11.7	25.5
3		0.4	11.9
4	10:49	1.5	14.1
5	15:05	0	3.8
6	14:56	0.2	6.7
7	8:49	11.7	27.6
8	13:52	0	4.5
9	9:55	0	11.7
10	10:13	0.1	10.6
11	13:24	3.1	9.2
12	9:15	8.8	22.3
13	9:51	5.1	17.9
14	11:40	2.6	14.1
15	10:01	0.5	11.8
16	10:00	0	10.0
17	9:50	3.5	15.4
18	11:35	0	7.1
19	9:50	4.9	16.3
20	9:59	7.3	23.8
21	86%	0	4.1
22	13:35	0	4.0
23	10:16	6.1	19.5
24	14:06	2.0	7.7
25	10:18	1.9	11.9
26	9:12	8.2	21.2
27	9:01	9.8	23.6
28	11:25	0	4.9
29	8:56	7.3	20.4
30	13:37	0.2	7.9

Tokyo, July 2009

Day	Time until full charge	Hours of sunlight (h)	Solar energy per day (MJ／m2)
1	14:26	0	4.2
2	77%	0	1.6
3	11:49	0	9.7
4	10:26	1.1	13.3
5	10:32	0.7	13.1
6	12:33	0	6.0
7	10:06	7.4	22.1
8	11:36	0.4	8.0
9	9:40	2.6	14.4
10	13:50	1.7	8.1
11	9:33	1.6	13.7
12	9:49	2.6	17.0
13	8:56	7.7	21.5
14	9:37	7.8	24.1
15	8:58	11.9	27.5
16	9:26	9.8	23.6
17	12:20	0.8	10.5
18	10:58	0.6	10.4
19	10:27	3.4	18.0
20	10:29	3.4	17.0
21	81%	0	2.0
22	99%	0	5.4
23	11:05	1.1	10.2
24	10:41	0.6	9.6
25	9:31	8.6	23.6
26	9:07	13.0	27.4
27	9:10	5.6	15.7
28	10:03	1.0	10.6
29	10:05	1.8	13.1
30	9:23	8.3	22.9
31	13:10	0	8.2

Tokyo, August 2009

Day	Time until dull charge	Hours of sunlight (h)	Solar energy per day (MJ／m2)
1	10:27	2.0	16.5
2	12:13	0.1	6.6
3	11:19	2.7	15.0
4	11:41	2.3	12.4
5	10:05	2.7	14.6
6	12:25	0.6	9.4
7	9:31	3.8	16.5
8	11:21	0	6.2
9	10:16	1.7	14.3
10	15:49	0.3	6.1
11	11:30	1.8	10.1
12	9:55	7.9	21.2
13	12:08	5.5	17.2
14	11:02	0.5	10.7
15	9:26	11.6	24.1
16	9:38	11.2	23.5
17	9:34	11.1	23.4
18	10:09	1.9	12.7
19	10:43	4.8	15.1
20	9:34	9.2	22.0
21	10:26	2.5	15.7
22	10:06	4.5	14.2
23	9:38	5.4	17.5
24	10:38	4.1	13.8
25	9:58	3.2	15.1
26	9:49	3.7	12.9
27	9:37	11.1	22.8
28	9:32	10.1	22.3
29	9:33	9.2	20.5
30	11:12	0.6	8.2
31	52%	0	1.9

Tokyo, September 2009

Day	Time until full charge	Hours of sunlight (h)	Solar energy per day (MJ／m^2)
1	9:37	6.8	18.6
2	87%	0	3.0
3	9:42	0	6.6
4	10:10	2.4	13.1
5	10:03	8.8	21.1
6	10:10	11.4	22.9
7	10:01	9.9	19.6
8	10:13	3.2	14.7
9	13:40	0	3.7
10	9:26	9.5	19.6
11	10:21	3.7	14.1
12	60%	0	1.8
13	10:26	7.0	17.4
14	9:31	7.4	17.7
15	15:16	0	4.2
16	9:43	8.7	19.9
17	9:38	8.8	17.7
18	11:02	2.6	7.7
19	11:04	0.8	11.0
20	9:34	10.5	21.5
21	11:31	0.4	8.2
22	10:36	1.0	10.5
23	10:34	1.4	10.3
24	9:44	9.7	18.5
25	9:38	11.4	20.4
26	9:45	6.1	15.5
27	10:29	0.8	8.8
28	9:42	4.3	14.9
29	13:38	0	5.4
30	14:47	0	2.9
		4.55	13.04

Tokyo, October 2009

Day	Time until full charge	Hours of sunlight (h)	Solar energy per day (MJ／m2)
1	11:35	3.4	12.3
2	64%	0	2.2
3	12:07	1.2	6.7
4	10:04	5.8	14.6
5	69%	0	2.1
6	67%	0	2.7
7	37%	0	1.4
8	10:10	6.3	13.2
9	10:01	6.1	13.4
10	12:55	3.8	10.0
11	9:39	10.9	18.8
12	10:06	6.1	15.2
13	10:05	9.2	16.8
14	13:48	1.9	6.2
15	9:55	9.9	16.1
16	9:53	10	16.5
17	11:03	0.2	7.6
18	10:13	10	16.0
19	10:41	6.9	12.3
20	11:05	5.7	11.8
21	10:04	9.3	15.7
22	10:07	5	10.5
23	10:30	3.3	9.6
24	90%	0	3.8
25	75%	0	2.8
26	28%	0	0.8
27	9:59	9.9	15.9
28	10:09	8	13.3
29	10:41	5.0	10.3
30	10:16	8.3	13.3
31	10:20	7.9	12.6
		4.9	10.5

Tokyo, November 2009

Day	Time until full charge	Hours of sunlight (h)	Soar energy per day (MJ／m2)
1	10:30	4.7	10.9
2	81%	0	2.4
3	10:20	10.0	15.6
4	10:58	7.1	12.4
5	11:04	2.0	6.4
6	10:13	9.6	13.4
7	10:33	7.5	12.3
8	10:53	3.0	7.8
9	10:27	7.0	11.3
10	11:10	5.4	10.0
11	22%	0.0	0.8
12	15:05	0.0	3.6
13	63%	0.0	2.8
14	88%	0.4	3.8
15	10:31	9.6	13.2
16	11:57	1.8	7.2
17	43%	0.0	1.5
18	11:33	6.2	11.1
19	35%	0.0	1.3
20	10:32	6.5	10.8
21	10:35	8.9	12.2
22	52%	0.0	2.3
23	11:36	6.8	10.8
24	11:47	0.9	5.8
25	13:41	4.2	6.9
26	11:12	7.5	10.2
27	10:52	4.5	7.7
28	10:47	7.0	10.2
29	11:59	3.4	7.6
30	83%	0.0	2.4
		4.1	7.83

*1 ** % Days that the battery did not charge fully。(* * % represents the State of Charge (SoC))