

November 2018	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu
	11/1	11/2	11/3	11/4	11/5	11/6	11/7	11/8	11/9	11/10	11/11	11/12	11/13	11/14	11/15
Total Solar Watthour	6568	10089	9122	11496	10797	11661	10230	11243	11308	9991	9212	10087	12118	9546	11013
RV (Tesla Modules 5P)	11/1	11/2	11/3	11/4	11/5	11/6	11/7	11/8	11/9	11/10	11/11	11/12	11/13	11/14	11/15
RV Solar Watthour	5403	8925	7968	10314	9629	10443	9046	10089	9765	8761	8023	8906	10938	8360	9838
RV Draw Watthour	2559	5322	4540	5358	5569	5053	5699	5019	5265	4549	3986	5039	4702	4731	4397
RV Charge Watthour	3042	4813	4672	5041	5862	5709	5825	6027	5140	5735	4481	4895	5376	4855	4992
Minimum SoC	86.7%	77.7%	78.3%	76.9%	72.6%	72.2%	72.7%	72.0%	75.7%	73.0%	79.4%	77.2%	74.7%	75.2%	78.4%
Maximum SoC	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	99.4%	100.0%
Solar Panels	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
Max Solar Watt	1827	2110	2011	2157	2071	2056	1964	1964	2142	2038	2072	2170	2197	2759	2044
Max Charge Watt	1540	1774	1696	1727	1734	1735	1630	1603	1800	1734	1611	1801	1463	2279	1443
Max Draw Watt	-270	-1813	-1147	-1627	-1846	-1734	-1953	-1737	-1812	-1870	-1306	-1751	-1363	-1628	-2518
Min Consumption Watt	127	117	155	144	150	149	154	187	162	145	143	48	142	142	170
Max Consumption Watt	383	2699	1809	2882	2316	2592	2087	2933	2472	1886	2797	2434	2537	1767	2492
Minimum Run Hours	72.12	10.75	17.00	11.98	10.56	11.24	9.98	11.23	10.76	10.43	14.93	11.14	14.30	11.98	7.74
Minimum Charge Hours	12.79	11.11	11.61	11.41	11.36	11.36	12.08	12.28	10.94	11.36	12.23	10.94	13.46	8.64	13.65
Drawing Hours	14.62	15.57	15.70	16.68	15.61	16.69	15.48	15.84	16.33	16.08	14.90	15.45	15.66	15.88	15.39
Drawing High (Less than 24 Hou	0.00	0.28	0.17	0.34	0.72	0.25	0.43	0.24	0.23	0.22	0.16	0.23	0.15	0.20	0.31
Charging Hours	3.78	4.70	4.67	5.93	5.82	5.80	5.32	5.77	5.40	5.48	5.06	5.15	5.98	8.13	4.67
Full Hours	5.60	3.73	3.63	1.39	2.58	1.50	3.20	2.39	2.26	2.43	4.04	3.40	2.36	0.00	3.94
Solar Input Hours	11.25	11.29	11.24	11.29	11.30	11.26	11.28	11.24	11.15	11.18	11.06	11.05	11.00	11.11	10.93
Drawing %	60.9%	64.9%	65.4%	69.5%	65.0%	69.5%	64.5%	66.0%	68.1%	67.0%	62.1%	64.4%	65.2%	66.1%	64.1%
Drawing High %	0.0%	1.2%	0.7%	1.4%	3.0%	1.1%	1.8%	1.0%	0.9%	0.9%	0.7%	0.9%	0.6%	0.8%	1.3%
Solar Input %	46.9%	47.0%	46.8%	47.0%	47.1%	46.9%	47.0%	46.8%	46.5%	46.6%	46.1%	46.0%	45.9%	46.3%	45.5%
Max Volt	24.11	24.10	24.10	24.12	24.10	24.10	24.11	24.10	24.11	24.10	24.13	24.13	24.10	24.04	24.11
Min Volt	23.38	22.86	22.96	22.89	22.62	22.68	22.70	22.67	22.81	22.68	22.99	22.86	22.82	22.76	22.64
Max. Panel 9-3 Volt	42.38	41.62	42.04	42.61	41.55	40.87	41.74	41.46	42.00	42.14	43.07	43.98	42.54	39.18	42.05
Min. Panel 9-3 Volt	35.84	34.98	35.06	33.21	35.17	33.14	35.39	34.96	36.07	34.56	35.24	36.21	35.34	34.81	35.27
Heatsink Celsius	42 / 23	46 / 24	46 / 25	45 / 26	45 / 26	45 / 25	46 / 26	45 / 25	50 / 24	47 / 25	48 / 24	50 / 20	52 / 20	50 / 20	49 / 20
Battery Celsius	25 / 21	25 / 21	25 / 22	26 / 22	26 / 22	26 / 22	26 / 22	26 / 22	25 / 21	25 / 22	25 / 21	22 / 21	22 / 20	22 / 20	22 / 21
Trailer (Battleborn 2P2S)	11/1	11/2	11/3	11/4	11/5	11/6	11/7	11/8	11/9	11/10	11/11	11/12	11/13	11/14	11/15
Trailer Solar Watthour	1166	1164	1154	1181	1168	1219	1184	1154	1543	1231	1189	1181	1180	1185	1175
Solar Panels	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Max Solar Watt	390	376	372	386	364	354	359	359	386	363	366	394	376	545	365
Min Volt	26.20	26.30	26.30	26.30	26.30	26.30	25.90	26.30	26.30	26.30	26.30	25.90	26.30	26.30	26.30
Max Volt	28.80	28.80	28.80	28.80	28.80	28.80	28.80	28.80	28.80	28.80	28.80	28.80	28.80	28.80	28.80
Min. Panel 9-3 Volt	32.40	32.50	32.20	32.50	32.80	30.70	30.80	30.80	32.70	30.90	32.10	32.30	30.50	34.00	29.90
Max. Panel 9-3 Volt	41.10	41.40	41.30	41.00	41.50	41.00	41.00	41.10	43.50	41.30	42.60	43.90	43.00	43.40	42.20
Heatsink	48 / 18	48 / 18	48 / 20	48 / 20	48 / 20	48 / 20	46 / 20	48 / 20	43 / 21	48 / 22	47 / 19	44 / 17	47 / 14	41 / 15	42 / 16

Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri
11/16	11/17	11/18	11/19	11/20	11/21	11/22	11/23	11/24	11/25	11/26	11/27	11/28	11/29	11/30
9180	13029	8459	5294	5086	5214	4985	5127	5261	5141	5014	5193	5126	5001	5232
11/16	11/17	11/18	11/19	11/20	11/21	11/22	11/23	11/24	11/25	11/26	11/27	11/28	11/29	11/30
8737	11852	8087	4921	4712	4853	4632	4748	4886	4775	4653	4825	4764	4636	4867
6689	6129	2656	2254	2243	2243	2315	2248	2299	2271	2282	2322	2320	2317	2365
4739	7073	5979	2960	2743	2742	2783	2784	2797	2859	2752	2782	2848	2791	2837
73.7%	68.1%	72.3%	87.7%	88.5%	88.5%	88.1%	88.4%	88.4%	88.3%	88.4%	88.3%	88.0%	88.1%	88.0%
97.1%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

10	11	12	12	12	12	12	12	12	12	12	12	12	12	12
1842	2131	2187	1680	1469	1594	1323	1577	1578	1652	1579	1609	1580	2138	2052
1478	1788	1912	1461	1267	1374	1128	1371	1334	1395	1367	1361	1332	1855	1834
-2314	-2241	-1385	-237	-290	-277	-287	-278	-237	-242	-281	-239	-240	-277	-286
47	147	60	122	121	120	121	120	121	48	120	120	120	121	121
2329	2697	1386	379	336	579	433	337	629	390	409	576	391	384	632
8.43	8.70	14.08	82.19	67.26	70.31	68.05	70.22	82.23	80.47	69.38	81.62	81.12	70.49	68.19
13.33	11.01	10.30	13.48	15.54	14.34	17.47	14.37	14.77	14.12	14.41	14.47	14.79	10.62	10.74
16.79	15.54	14.78	14.77	14.71	15.07	15.63	14.71	15.13	15.03	15.08	15.47	15.23	15.79	15.89
0.36	0.18	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7.21	6.50	5.20	3.27	3.64	3.48	4.72	3.51	3.56	3.21	3.44	3.69	3.29	3.67	4.25
0.00	1.96	4.03	5.97	5.65	5.45	3.66	5.78	5.31	5.77	5.49	4.84	5.48	4.55	3.86
11.04	11.09	10.88	10.91	10.89	10.85	10.66	10.82	10.79	10.82	10.80	10.75	10.75	10.64	10.67
70.0%	64.8%	61.6%	61.5%	61.3%	62.8%	65.1%	61.3%	63.0%	62.6%	62.8%	64.5%	63.5%	65.8%	66.2%
1.5%	0.8%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
46.0%	46.2%	45.3%	45.5%	45.4%	45.2%	44.4%	45.1%	44.9%	45.1%	45.0%	44.8%	44.8%	44.3%	44.4%

23.91	24.10	24.10	24.10	24.10	24.10	24.10	24.10	24.10	24.10	24.10	24.10	24.10	24.10	24.11
22.70	22.31	22.70	23.38	23.43	23.43	23.42	23.41	23.42	23.41	23.42	23.42	23.41	23.41	23.41
38.47	40.74	42.16	42.94	43.08	42.53	42.76	43.17	42.78	44.85	43.28	42.80	42.10	43.94	45.50
33.44	33.59	35.15	36.78	36.17	36.37	36.21	36.66	36.67	36.88	36.74	37.28	36.27	35.88	37.58

47 / 21	49 / 21	49 / 21	38 / 20	37 / 22	38 / 22	38 / 23	37 / 21	36 / 20	36 / 21	37 / 21	37 / 21	37 / 20	38 / 21	34 / 21
24 / 21	23 / 21	22 / 21	22 / 21	23 / 21	22 / 21	22 / 21	22 / 21	22 / 20	22 / 21	22 / 21	22 / 21	22 / 21	22 / 21	22 / 21

11/16	11/17	11/18	11/19	11/20	11/21	11/22	11/23	11/24	11/25	11/26	11/27	11/28	11/29	11/30
443	1177	372	373	374	361	352	379	376	365	362	368	362	365	365
3	2	1	1	1	1	1	1	1	1	1	1	1	1	1
330	376	158	158	157	151	126	147	149	157	154	154	148	214	253
0.00	25.80	26.40	26.40	26.40	26.40	26.40	26.40	26.40	26.40	26.40	26.40	26.40	26.40	26.40
27.00	28.80	28.80	28.80	28.80	28.80	28.80	28.80	28.80	28.80	28.80	28.80	28.80	28.80	28.80
0.00	30.60	34.40	31.10	33.10	33.20	26.30	31.30	31.00	26.90	32.30	31.70	26.70	32.50	32.50
42.10	41.70	42.90	43.50	42.40	42.30	42.90	42.80	42.60	44.30	44.00	43.80	42.30	43.10	44.90

34 / 0	47 / 15	48 / 16	48 / 14	48 / 17	48 / 16	37 / 18	48 / 15	47 / 14	46 / 17	48 / 16	48 / 17	48 / 15	38 / 15	40 / 17
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November 2018

	Total	Average	Minimum	Maximum
Total Solar Watthour	246825	8227	4985	13029

RV (Tesla Modules 5P)	Total	Average	Minimum	Maximum
RV Solar Watthour	222355	7412	4632	11852
RV Draw Watthour	114741	3825	2271	2365
RV Charge Watthour	127933	4264	2752	2859
Minimum SoC		80.5%	88.0%	88.4%
Maximum SoC		99.9%	100.0%	100.0%

Solar Panels		11	10	12
Max Solar Watt		1919	1323	2759
Max Charge Watt		1594	1128	2279
Max Draw Watt		-1116	-2518	-237
Min Consumption Watt		125	47	187
Max Consumption Watt		1532	336	2933
Minimum Run Hours		38.63	7.74	82.23
Minimum Charge Hours		12.63	8.64	17.47
Drawing Hours		15.52	14.62	16.79
Drawing High (Less than 24 Hours)		0.15	0.00	0.72
Charging Hours		4.81	3.21	8.13
Full Hours		3.67	0.00	5.97
Solar Input Hours		11.00	10.64	11.30
Drawing %		64.7%	60.9%	70.0%
Drawing High %		0.6%	0.0%	3.0%
Solar Input %		45.8%	44.3%	47.1%

Max Volt		24.10	23.91	24.13
Min Volt		23.03	22.31	23.43
Max. Panel 9-3 Volt		42.34	38.47	45.50
Min. Panel 9-3 Volt		35.56	33.14	37.58

Trailer (Battleborn 2P2S)	Total	Average	Minimum	Maximum
Trailer Solar Watthour	24470	816	352	1543
Solar Panels	2	2	1	3
Max Solar Watt	545	286	126	545

Min Volt		25.42	0.00	26.40
Max Volt		28.74	27.00	28.80
Min. Panel 9-3 Volt		30.36	0.00	34.40
Max. Panel 9-3 Volt		42.50	41.00	44.90