

SLA RANGE - Constant Power Discharge Data

Watt per cell to 1.60 VPC (at 20°C)																	
Time (min.)	1	5	10	15	20	30	45	60	90	120	180	240	300	420	480	600	1200
12 SLA 26	218	153	109	83.1	68.5	51.1	37.7	29.8	21.2	16.8	12.2	9.77	8.20	6.34	5.71	4.72	2.53
12 SLA 30	268	188	134	102	84.4	63.1	46.6	36.9	26.2	20.8	15.2	12.1	10.2	7.85	7.07	5.85	3.14
12 SLA 50	440	309	220	168	139	104	76.8	61.0	43.4	34.6	25.4	20.3	17.0	13.1	11.8	9.78	5.26
12 SLA 80	647	511	370	281	228	172	130	106	78.8	63.3	46.0	36.5	30.4	22.9	20.4	16.8	8.65
6 SLA 100	880	617	440	337	278	208	154	122	86.8	69.2	50.7	40.5	34.0	26.3	23.7	19.6	10.5
6 SLA 125	650	552	463	373	316	244	185	150	108	86.4	63.3	50.6	42.4	32.8	29.6	24.4	13.1
4 SLA 150	1229	881	637	501	414	310	230	182	130	104	76.0	60.7	51.0	39.4	35.5	29.3	15.8
6 SLA 160	1032	796	606	491	414	321	245	200	148	117	84.5	66.6	55.3	42.4	38.1	31.8	17.0
6 SLA 180	936	794	667	537	455	351	266	216	156	124	91.1	72.8	61.1	47.3	42.6	35.2	18.9
6 SLA 200	1290	1014	765	617	516	398	302	245	178	141	102	81.4	67.8	51.7	46.8	39.1	20.9
4 SLA 200	1024	907	774	653	549	413	307	251	185	147	105	83.0	69.1	53.0	47.5	39.7	21.1
2 SLA 250	1647	1271	983	793	665	513	385	305	217	172	126	102	85.8	65.7	58.8	48.7	26.6
2 SLA 300	1722	1396	1125	921	777	601	457	365	261	207	151	122	103	78.8	70.6	58.4	32.0
2 SLA 330	2511	1983	1436	1089	885	667	503	411	306	246	179	142	118	89.1	79.2	65.1	33.6
2 SLA 405/4	2675	2106	1577	1283	1084	825	617	499	370	296	215	171	143	107	95.8	78.2	40.8
2 SLA 500	2831	2354	1895	1537	1289	982	738	593	436	346	252	202	169	131	118	97.4	52.4
2 SLA 580	3049	2590	2143	1766	1495	1147	868	698	505	401	293	234	196	152	137	113	60.8
2 SLA 800	2767	2638	2383	2191	1921	1531	1172	955	718	583	430	346	291	219	196	161	87.5
2 SLA 1000	3459	3297	2979	2739	2401	1914	1465	1194	897	729	537	433	364	274	245	202	109
2 SLA 1500	3918	3526	3165	2842	2559	2173	1743	1472	1146	955	723	584	496	387	350	291	163
2 SLA 2000	5224	4702	4220	3789	3412	2898	2324	1963	1529	1273	964	779	661	516	467	388	217

Watt per cell to 1.65 VPC (at 20°C)																	
Time (min.)	1	5	10	15	20	30	45	60	90	120	180	240	300	420	480	600	1200
12 SLA 26	196	148	106	82.0	67.7	50.9	37.6	29.6	21.1	16.8	12.2	9.77	8.20	6.34	5.71	4.72	2.53
12 SLA 30	241	183	130	101	83.4	62.8	46.4	36.7	26.2	20.8	15.2	12.1	10.2	7.85	7.07	5.85	3.14
12 SLA 50	396	300	214	166	137	103	76.5	60.6	43.4	34.6	25.3	20.2	17.0	13.1	11.8	9.77	5.25
12 SLA 80	617	459	358	274	224	170	128	105	78.3	63.0	45.8	36.3	30.3	22.9	20.3	16.7	8.63
6 SLA 100	792	601	428	332	275	207	153	121	86.8	69.1	50.7	40.5	34.0	26.3	23.6	19.5	10.5
6 SLA 125	598	530	446	364	313	241	183	149	108	86.3	63.2	50.5	42.4	32.8	29.5	24.4	13.1
4 SLA 150	1070	854	627	493	407	309	229	181	130	104	75.9	60.7	50.9	39.4	35.5	29.3	15.8
6 SLA 160	953	775	589	481	408	318	244	199	148	117	84.4	66.5	55.3	42.4	38.0	31.8	16.9
6 SLA 180	862	763	643	525	451	347	264	215	156	124	91.0	72.7	61.0	47.2	42.5	35.2	18.9
6 SLA 200	1259	993	756	612	513	397	301	244	178	141	102	81.4	67.8	51.8	46.8	39.1	20.9
4 SLA 200	991	887	758	643	546	409	305	248	185	146	105	83.0	69.0	52.9	47.5	39.7	21.1
2 SLA 250	1478	1199	940	767	655	507	384	304	217	172	126	102	85.8	65.7	58.8	48.7	26.6
2 SLA 300	1539	1305	1072	886	760	595	455	364	261	207	151	122	103	78.8	70.6	58.4	32.0
2 SLA 330	2395	1782	1391	1065	870	659	499	408	304	245	178	141	118	88.7	78.9	64.9	33.5
2 SLA 405/4	2520	2086	1551	1268	1074	820	615	496	369	295	215	171	142	107	95.3	78.2	40.7
2 SLA 500	2647	2251	1831	1502	1264	969	734	593	436	346	252	202	169	131	118	97.4	52.4
2 SLA 580	2933	2515	2082	1733	1471	1130	861	698	505	401	293	234	196	152	137	113	60.8
2 SLA 800	2515	2406	2270	2087	1833	1504	1166	955	718	583	430	346	291	219	196	161	87.5
2 SLA 1000	3143	3008	2837	2609	2292	1880	1458	1194	897	729	537	433	364	274	245	202	109
2 SLA 1500	3659	3369	3067	2779	2500	2139	1740	1472	1146	955	723	584	496	387	350	291	163
2 SLA 2000	4879	4491	4089	3706	3334	2852	2320	1963	1529	1273	964	779	661	516	467	388	217

Watt per cell to 1.67 VPC (at 20°C)																	
Time (min.)	1	5	10	15	20	30	45	60	90	120	180	240	300	420	480	600	1200
12 SLA 26	190	145	104	80.7	66.8	50.4	37.3	29.6	21.1	16.8	12.2	9.77	8.20	6.34	5.71	4.72	2.53
12 SLA 30	233	179	128	99.3	82.3	62.1	46.1	36.6	26.2	20.8	15.2	12.1	10.2	7.85	7.07	5.85	3.14
12 SLA 50	384	294	210	163	136	102	76.0	60.6	43.4	34.5	25.3	20.2	17.0	13.1	11.8	9.77	5.25
12 SLA 80	601	457	352	271	222	168	128	105	78.1	62.8	45.6	36.2	30.2	22.8	20.3	16.7	8.63
6 SLA 100	769	589	420	327	271	205	152	121	86.7	69.1	50.7	40.5	34.0	26.2	23.6	19.5	10.5
6 SLA 125	583	517	431	356	308	237	182	149	108	86.2	63.2	50.5	42.4	32.8	29.5	24.4	13.1
4 SLA 150	1038	832	614	486	403	306	227	181	130	104	75.9	60.6	50.9	39.3	35.4	29.3	15.8
6 SLA 160	904	749	577	475	404	316	243	198	148	117	84.3	66.4	55.2	42.2	37.9	31.7	16.9
6 SLA 180	840	745	621	513	443	341	262	214	155	124	91.0	72.7	61.0	47.2	42.5	35.1	18.9
6 SLA 200	1243	983	751	610	512	397	301	244	178	141	102	81.4	67.8	51.8	46.7	39.1	20.9
4 SLA 200	970	871	744	632	536	405	303	248	185	146	105	82.9	68.9	52.8	47.4	39.6	21.1
2 SLA 250	1418	1154	915	752	649	504	381	303	217	172	126	102	85.8	65.7	58.8	48.7	26.6
2 SLA 300	1479	1254	1040	868	751	590	453	362	260	207	151	122	103	78.8	70.6	58.4	32.0
2 SLA 330	2332	1773	1368	1052	861	654	496	407	303	244	177	141	117	88.5	78.8	64.8	33.5
2 SLA 405/4	2466	2008	1533	1258	1068	817	613	494	367	294	214	170	142	107	95.2	78.2	40.7
2 SLA 500	2585	2193	1771	1472	1248	961	729	591	435	346	252	202	169	131	118	97.4	52.4
2 SLA 580	2824	2432	2016	1687	1439	1116	857	695	505	401	293	234	196	152	137	113	60.8
2 SLA 800	2367	2279	2165	2021	1788	1479	1154	948	718	582	430	346	291	219	196	161	87.5
2 SLA 1000	2959	2849	2706	2527	2236	1849	1443	1185	897	727	538	433	364	274	245	202	109
2 SLA 1500	3459	3224	2946	2690	2453	2110	1727	1468	1146	955	723	584	496	387	350	291	163
2 SLA 2000	4612	4299	3928	3587	3270	2814	2303	1958	1528	1273	964	779	661	516	467	388	217

Watt per cell to 1.70 VPC (at 20°C)																	
Time (min.)	1	5	10	15	20	30	45	60	90	120	180	240	300	420	480	600	1200
12 SLA 26	185	143	102	79.5	66.1	49.9	37.1	29.5	21.1	16.8	12.2	9.77	8.20	6.34	5.70	4.72	2.53
12 SLA 30	227	176	125	97.9	81.4	61.5	45.8	36.6	26.1	20.8	15.2	12.1	10.2	7.85	7.07	5.85	3.14
12 SLA 50	375	289	206	161	134	101	75.6	60.5	43.3	34.5	25.3	20.2	17.0	13.1	11.8	9.76	5.25
12 SLA 80	587	455	347	268	220	167	127	104	77.9	62.7	45.5	36.2	30.2	22.8	20.3	16.7	8.62
6 SLA 100	749	578	413	322	268	203	151	121	86.6	69.1	50.6	40.4	33.9	26.2	23.6	19.5	10.5
6 SLA 125	571	506	418	349	303	233	181	148	108	86.2	63.1	50.5	42.4	32.7	29.5	24.4	13.1
4 SLA 150	1011	812	602	480	400	303	226	181	130	104	75.9	60.6	50.9	39.3	35.4	29.3	15.7
6 SLA 160	863	727	567	471	400	315	241	197	148	117	84.3	66.3	55.1	42.1	37.8	31.7	16.9
6 SLA 180	822	729	602	502	437	336	261	213	155	124	90.9	72.7	61.0	47.2	42.5	35.1	18.9
6 SLA 200	1229	974	747	608	511	397	301	244	178	141	102	81.4	67.8	51.9	46.7	39.1	20.9
4 SLA 200	953	858	732	623	527	402	300	247	184	146	105	82.8	68.8	52.6	47.3	39.6	21.1
2 SLA 250	1367	1116	894	740	643	502	378	303	217	172	126	102	85.8	65.7	58.8	48.7	26.6
2 SLA 300	1428	1210	1012	853	743	586	451	361	260	207	151	122	103	78.8	70.6	58.4	32.0
2 SLA 330	2278	1766	1347	1041	854	650	494	406	302	243	177	140	117	88.4	78.6	64.8	33.5
2 SLA 405/4	2421	1941	1518	1249	1063	815	611	493	365	293	214	170	142	106	95.1	78.3	40.8
2 SLA 500	2531	2143	1720	1447	1234	954	725	590	435	346	252	202	169	131	118	97.4	52.4
2 SLA 580	2732	2362	1959	1648	1412	1104	853	692	504	401	293	234	196	152	137	113	60.8
2 SLA 800	2242	2171	2076	1966	1750	1458	1143	942	717	581	430	346	291	219	196	161	87.5
2 SLA 1000	2802	2714	2594	2457	2188	1823	1429	1178	897	726	538	433	364	274	245	202	109
2 SLA 1500	3289	3101	2843	2614	2412	2086	1716	1465	1146	955	723	584	496	387	350	291	163
2 SLA 2000	4385	4134	3791	3486	3216	2781	2288	1954	1528	1273	964	779	661	516	467	388	217

Watt per cell to 1.75 VPC (at 20°C)																	
Time (min.)	1	5	10	15	20	30	45	60	90	120	180	240	300	420	480	600	1200
12 SLA 26	170	133	97.3	77.2	64.4	48.8	36.7	29.2	21.0	16.8	12.2	9.77	8.20	6.34	5.70	4.72	2.53
12 SLA 30	209	164	120	94.9	79.3	60.2	45.3	36.2	26.1	20.8	15.2	12.1	10.2	7.85	7.07	5.85	3.14
12 SLA 50	347	270	197	156	131	99.2	74.8	59.9	43.2	34.4	25.3	20.2	17.0	13.1	11.8	9.75	5.24
12 SLA 80	527	428	324	256	212	163	125	103	77.0	62.2	45.1	35.9	29.9	22.6	20.1	16.6	8.59
6 SLA 100	694	541	395	313	261	198	150	120	86.5	68.8	50.6	40.4	33.9	26.2	23.6	19.5	10.5
6 SLA 125	521	453	381	330	289	227	178	147	108	86.1	63.1	50.4	42.3	32.7	29.5	24.4	13.1
4 SLA 150	932	762	575	466	390	297	224	179	130	104	75.8	60.6	50.8	39.3	35.4	29.3	15.7
6 SLA 160	772	677	541	455	393	305	239	196	147	117	83.8	65.9	54.9	41.8	37.7	31.6	16.9
6 SLA 180	750	652	549	476	416	327	256	211	155	124	90.8	72.6	60.9	47.1	42.4	35.1	18.9
6 SLA 200	1132	913	715	589	500	391	301	243	178	141	102	81.4	67.8	52.0	46.7	39.0	20.9
4 SLA 200	895	817	697	591	501	390	296	241	183	146	105	82.3	68.5	52.2	47.1	39.5	21.1
2 SLA 250	1220	1028	841	704	616	482	368	296	216	172	126	102	85.8	65.7	58.8	48.7	26.6
2 SLA 300	1315	1126	937	812	717	572	439	353	259	207	151	122	103	78.8	70.6	58.4	32.0
2 SLA 330	2045	1660	1259	993	823	633	486	400	299	242	175	139	116	87.7	78.1	64.5	33.4
2 SLA 405/4	2251	1838	1462	1215	1038	799	603	486	360	289	211	168	140	105	94.0	78.2	40.7
2 SLA 500	2352	1945	1589	1363	1183	926	712	586	434	346	252	202	169	131	118	97.4	52.4
2 SLA 580	2467	2152	1795	1559	1353	1069	838	687	503	401	293	234	196	152	137	113	60.8
2 SLA 800	1974	1944	1892	1807	1645	1407	1115	928	709	579	430	346	291	219	196	161	87.5
2 SLA 1000	2468	2430	2366	2258	2056	1758	1394	1161	886	723	538	433	364	274	245	202	109
2 SLA 1500	2885	2766	2613	2446	2276	2000	1681	1438	1131	945	719	583	496	387	350	291	163
2 SLA 2000	3847	3688	3484	3261	3035	2666	2241	1917	1508	1260	958	778	661	516	467	388	217

Watt per cell to 1.80 VPC (at 20°C)																	
Time (min.)	1	5	10	15	20	30	45	60	90	120	180	240	300	420	480	600	1200
12 SLA 26	156	123	91.8	73.8	61.7	47.5	36.2	28.8	20.9	16.7	12.2	9.77	8.20	6.34	5.70	4.72	2.53
12 SLA 30	191	151	113	90.8	76.0	59.0	44.7	35.8	25.9	20.6	15.2	12.1	10.2	7.85	7.07	5.85	3.14
12 SLA 50	315	249	186	150	125	97.4	73.8	59.2	43.0	34.0	25.3	20.2	16.9	13.1	11.8	9.74	5.24
12 SLA 80	468	344	279	231	196	154	121	100	75.1	60.8	44.2	35.3	29.4	22.2	19.8	16.4	8.54
6 SLA 100	630	498	372	300	251	195	148	118	86.0	67.9	50.5	40.4	33.9	26.2	23.6	19.5	10.5
6 SLA 125	474	404	345	303	266	216	172	144	107	85.6	63.0	50.4	42.3	32.7	29.4	24.3	13.1
4 SLA 150	854	703	544	447	374	290	221	177	129	103	75.7	60.5	50.8	39.2	35.3	29.2	15.7
6 SLA 160	685	607	507	433	377	302	236	191	145	115	82.7	65.2	54.1	41.2	37.0	31.2	16.8
6 SLA 180	682	581	497	437	383	312	248	208	154	123	90.7	72.5	60.9	47.1	42.4	35.1	18.9
6 SLA 200	854	749	634	543	474	375	288	236	178	141	102	81.1	67.7	52.0	46.7	39.0	21.0
4 SLA 200	810	753	665	562	478	376	290	237	179	144	103	81.3	67.5	51.5	46.2	38.9	21.0
2 SLA 250	1010	874	739	640	567	458	346	285	212	171	126	102	85.8	65.7	58.8	48.7	26.6
2 SLA 300	1175	1026	862	752	671	540	417	340	254	206	151	122	103	78.8	70.6	58.4	31.9
2 SLA 330	1815	1337	1083	896	761	600	469	390	292	236	172	137	114	86.3	77.0	63.9	33.1
2 SLA 405/4	1824	1551	1308	1112	973	767	585	478	355	285	204	163	136	103	91.7	75.1	39.2
2 SLA 500	2024	1694	1453	1259	1109	884	694	574	428	344	252	202	169	131	118	97.4	52.4
2 SLA 580	2219	1887	1629	1425	1258	1030	808	668	496	398	293	234	196	152	137	113	60.8
2 SLA 800	1785	1767	1715	1651	1529	1315	1062	890	689	566	426	343	288	217	194	159	86.6
2 SLA 1000	2231	2209	2143	2064	1911	1644	1328	1112	861	707	532	429	360	271	243	199	108
2 SLA 1500	2567	2457	2322	2190	2051	1845	1578	1372	1100	930	708	579	491	386	349	291	161
2 SLA 2000	3423	3275	3096	2920	2735	2460	2104	1830	1467	1239	944	773	654	515	466	388	215

0.9

Watt per cell to 1.85 VPC (at 20°C)																	
Time (min.)	1	5	10	15	20	30	45	60	90	120	180	240	300	420	480	600	1200
12 SLA 26	139	109	84.2	69.4	59.3	39.8	30.7	26.1	19.8	15.9	11.7	9.44	7.96	6.16	5.54	4.63	2.49
12 SLA 30	145	119	93.2	76.1	65.5	51.0	39.2	32.3	24.5	19.8	14.5	11.7	9.87	7.64	6.87	5.74	3.08
12 SLA 50	229	195	158	133	112	87.6	66.3	53.9	40.9	32.9	24.2	19.5	16.4	12.7	11.5	9.57	5.14
12 SLA 80	278	245	209	182	162	135	111	92.1	69.4	55.8	41.1	32.7	27.5	21.0	18.9	15.6	8.14
6 SLA 100	457	390	315	265	224	175	133	108	81.7	65.9	48.4	39.0	32.9	25.5	22.9	19.1	10.3
6 SLA 125	411	356	305	267	240	201	163	137	102	82.1	60.4	48.7	41.0	31.8	28.6	23.9	12.8
4 SLA 150	628	534	437	374	326	256	194	161	122	98.7	72.6	58.5	49.3	38.2	34.4	28.7	15.4
6 SLA 160	614	532	450	382	339	270	214	177	137	112	81.5	64.2	53.3	40.2	35.9	30.1	16.2
6 SLA 180	592	513	439	385	346	289	235	198	147	118	87.0	70.1	59.1	45.8	41.2	34.4	18.5
6 SLA 200	688	626	535	467	418	339	268	227	171	138	100	80.1	67.0	51.5	46.4	38.5	20.6
4 SLA 200	698	653	574	481	402	327	252	214	163	131	96.7	77.9	65.7	50.8	45.8	38.3	20.6
2 SLA 250	864	754	647	564	503	408	315	268	204	164	121	97.4	82.1	63.6	57.2	47.8	25.7
2 SLA 300	1031	901	773	675	601	489	378	321	244	197	149	120	101	77.2	69.3	57.3	31.2
2 SLA 330	1079	953	809	707	629	522	430	358	269	217	160	127	107	81.5	73.3	60.4	31.6
2 SLA 405/4	1424	1259	1071	932	820	664	538	446	331	266	190	152	127	96.4	86.4	71.6	37.8
2 SLA 500	1677	1468	1272	1104	988	823	652	538	408	329	242	195	164	127	115	95.7	51.4
2 SLA 580	1853	1653	1420	1260	1133	948	763	638	473	381	281	226	191	148	133	111	59.6
2 SLA 800	1549	1539	1513	1432	1326	1146	936	787	630	528	401	330	276	209	186	154	81.5
2 SLA 1000	1936	1923	1892	1790	1658	1432	1170	984	787	660	502	412	345	261	233	193	102
2 SLA 1500	2158	2081	1986	1879	1782	1639	1427	1261	1030	866	676	558	470	369	333	280	152
2 SLA 2000	2878	2775	2648	2505	2376	2186	1902	1681	1374	1155	902	744	627	492	444	373	203

Watt per cell to 1.90 VPC (at 20°C)																	
Time (min.)	1	5	10	15	20	30	45	60	90	120	180	240	300	420	480	600	1200
12 SLA 26	58.6	54.8	49.4	44.6	41.1	34.5	27.7	22.9	17.9	14.5	10.5	8.45	7.07	5.38	4.86	4.07	2.19
12 SLA 30	87.6	78.8	68.4	58.3	51.0	42.7	34.4	28.4	22.2	17.9	13.1	10.5	8.76	6.67	6.02	5.05	2.72
12 SLA 50	121	113	102	92.1	85.0	71.2	57.3	47.3	37.0	29.9	21.8	17.4	14.6	11.1	10.0	8.42	4.53
12 SLA 80	205	186	167	148	137	115	93.8	80.1	62.7	50.7	37.2	29.6	24.8	18.9	17.1	14.2	7.56
6 SLA 100	242	227	204	184	170	142	115	94.6	74.0	59.8	43.6	34.9	29.2	22.2	20.1	16.8	9.07
6 SLA 125	300	280	253	228	211	177	142	118	92.2	74.5	54.4	43.6	36.5	27.8	25.1	21.0	11.3
4 SLA 150	362	338	305	275	254	213	171	142	111	89.6	65.3	52.3	43.8	33.4	30.1	25.2	13.6
6 SLA 160	386	361	326	294	269	220	180	152	118	95.6	69.7	55.8	46.7	35.6	32.1	26.9	14.5
6 SLA 180	431	404	364	329	304	255	205	170	133	107	78.3	62.7	52.5	40.0	36.1	30.3	16.3
6 SLA 200	490	463	420	379	350	294	246	210	159	130	94.7	75.8	63.5	49.2	44.2	37.5	20.2
4 SLA 200	488	468	422	387	337	283	228	188	148	119	87.0	69.7	58.3	44.5	40.1	33.6	18.1
2 SLA 250	599	561	506	457	422	354	285	235	184	149	109	87.1	72.9	55.6	50.1	42.1	22.7
2 SLA 300	716	670	605	546	505	424	341	282	221	179	130	104	87.5	66.7	60.1	50.5	27.2
2 SLA 330	796	720	646	576	530	445	364	311	244	197	145	115	96.2	73.4	66.3	55.2	29.4
2 SLA 405/4	1085	982	864	769	692	592	482	404	302	241	176	141	118	90.0	81.2	68.1	36.4
2 SLA 500	1144	1059	969	879	817	689	565	472	370	299	218	174	146	111	100	84.2	45.3
2 SLA 580	1396	1306	1178	1063	981	823	662	547	429	346	252	202	169	129	116	97.6	52.6
2 SLA 800	1329	1312	1286	1228	1129	985	836	719	579	488	363	296	248	185	168	141	74.6
2 SLA 1000	1661	1640	1607	1535	1411	1231	1045	899	724	610	453	370	310	231	210	177	93.2
2 SLA 1500	1810	1743	1669	1586	1485	1352	1186	1064	895	772	609	509	435	338	306	257	139
2 SLA 2000	2413	2324	2225	2115	1979	1802	1582	1419	1193	1029	812	679	580	451	408	342	186