

CELLYTE Gel-OPzV RANGE

Tubular Plate Gel Batteries

**Sealed Valve Regulated
Gel Maintenance Free
Lead Acid Batteries**

APPLICATIONS

Photovoltaic / Cyclic
Telecommunications
Switchgear
Control Systems
Cellular Radio
Navigation Aids
UPS

**FULLY RECYCLABLE GVR
LEAD ACID BATTERIES**

DESIGN LIFE : 15+ Years in Float Service
CAPACITY : 100 to 3000 AH. C₁₀ at 20C
1800 Cycles

SPECIFICATION:

Positive electrode: Tubular Plate with antimony-free special alloy
Negative electrode: Grid plate
Electrolyte: Suspended Thixotropic Gel
Container & Cover: Opaque Grey SAN
Separators: Microporous plastic
Float Voltage: 2.23 VPC +/- 1% at 20 C
Max. Charge Voltage: 2.40 VPC at 20 C
Safety Valve: 1-3 PSI Self-Resealing
Terminals: Integral Copper Insert for M10 bolt
Interconnects: Insulated cables



SEC 2ETG OPzV Range
in Tubular Rack

**MANUFACTURED TO COMPLY
WITH DIN 40736 part 3.**

INNOVATIVE FEATURES:

Never requires watering
Spill proof and leak proof
No gases escape in charging
Explosion proof
Increased safety
Freezing tolerated
Accepts high charge rate
Requires no equalisation
Long life
Deep cycle capability
Low self discharge

CELLYTE Gel OPzV Range - GVRLA Tubular Plate Stationary & Solar / Cyclic Applications

SEC BLOC & CELL & DIN TYPE	End / Final VPC	DISCHARGE TIME IN HOURS Capacity in Amp Hours @ 20 C.											End / Final VPC	TIME MINUTES Capacity Amps 20 C.		
		120	100	48	24	10	8	6	5	4	3	2		60	30	15
		SEC 2ETG 100 2 OPzV 100	1.85	131	128	125	113	96.5	91.7	83.5	80.6	77.9		71.3	60.5	1.80
	1.80	133	131	128	117	100	95.5	87.0	84.0	81.6	75.0	64.0	1.75	55.0	77.0	110
	1.75	144	140	137	122	105	100	91.4	88.2	85.7	79.1	67.8	1.67	58.6	82.4	119
SEC 2ETG 150 3 OPzV 150	1.85	197	193	187	170	145	138	125	121	117	107	90.7	1.80	77.9	107	152
	1.80	200	197	192	176	150	143	131	126	122	113	96.0	1.75	82.5	116	165
	1.75	215	210	205	183	158	150	137	132	129	119	102	1.67	87.9	124	178
SEC 2ETG 200 4 OPzV 200	1.85	262	257	250	227	193	183	167	161	153	143	121	1.80	102	156	202
	1.80	266	262	256	234	200	191	174	168	160	150	128	1.75	106	168	220
	1.75	287	280	274	243	210	200	183	176	168	158	136	1.67	115	180	238
SEC 2ETG 250 5 OPzV 250	1.85	328	321	312	284	241	229	209	202	189	178	151	1.80	130	195	253
	1.80	333	328	320	293	250	239	218	210	198	188	160	1.75	138	210	275
	1.75	359	350	342	304	263	250	228	221	207	198	170	1.67	146	225	297
SEC 2ETG 300 6 OPzV 300	1.85	393	385	374	340	290	275	253	242	226	214	181	1.80	156	232	304
	1.80	399	393	384	351	300	287	264	252	237	225	192	1.75	165	249	330
	1.75	431	421	411	365	315	300	277	265	249	237	204	1.67	176	266	356
SEC 2ETG 350 5 OPzV 350	1.85	459	449	437	397	338	321	306	294	274	249	223	1.80	185	270	322
	1.80	466	459	448	410	350	334	319	306	287	263	236	1.75	196	291	350
	1.75	503	491	479	425	366	350	334	322	301	277	250	1.67	209	311	378
SEC 2ETG 420 6 OPzV 420	1.85	550	539	524	477	405	387	371	353	327	299	266	1.80	222	320	386
	1.80	559	550	538	491	420	403	386	368	343	315	281	1.75	235	344	420
	1.75	603	589	575	511	441	423	406	388	360	332	298	1.67	250	369	454
SEC 2ETG 500 7 OPzV 490	1.85	653	637	624	563	483	458	432	415	387	352	309	1.80	260	377	451
	1.80	663	650	640	580	500	478	450	433	405	370	328	1.75	275	405	490
	1.75	716	696	685	603	525	500	473	454	425	390	347	1.67	293	433	529
SEC 2ETG 600 6 OPzV 600	1.85	786	770	749	675	579	550	518	498	468	428	377	1.80	312	424	497
	1.80	798	786	768	696	600	573	540	519	490	450	399	1.75	330	456	540
	1.75	862	841	822	724	630	600	567	545	514	475	423	1.67	351	488	583
SEC 2ETG 700 7 OPzV 700	1.85	910	892	876	784	676	642	605	581	545	499	440	1.80	363	495	580
	1.80	924	910	898	809	700	669	630	606	574	525	466	1.75	385	532	630
	1.75	998	974	961	841	735	700	662	636	603	554	493	1.67	410	569	680
SEC 2ETG 800 8 OPzV 800	1.85	1040	1019	1001	896	772	733	691	664	626	570	503	1.80	415	565	662
	1.80	1056	1040	1026	924	800	764	720	692	656	600	532	1.75	440	608	720
	1.75	1140	1113	1098	961	840	800	756	727	689	633	564	1.67	469	651	776
SEC 2ETG 1000 10 OPzV 1000	1.85	1300	1274	1251	1120	965	917	864	830	779	713	628	1.80	524	707	825
	1.80	1320	1300	1283	1155	1000	955	900	865	816	750	665	1.75	555	760	900
	1.75	1426	1391	1373	1201	1050	1000	945	908	857	791	705	1.67	591	813	972
SEC 2ETG 1200 12 OPzV 1200	1.85	1560	1529	1501	1344	1158	1100	1037	996	935	855	754	1.80	629	848	983
	1.80	1584	1560	1540	1386	1200	1146	1080	1038	979	900	798	1.75	666	912	1088
	1.75	1711	1669	1647	1441	1260	1200	1134	1090	1028	950	846	1.67	709	976	1153
SEC 2ETG 1500 12 OPzV 1500	1.85	1906	1862	1843	1644	1448	1375	1306	1260	1189	1112	957	1.80	743	928	1014
	1.80	1935	1920	1890	1695	1500	1433	1361	1313	1245	1170	1013	1.75	788	998	1103
	1.75	2090	2054	2022	1763	1575	1500	1429	1378	1307	1234	1073	1.67	839	1067	1191
SEC 2ETG 1750 14 OPzV 1750	1.85	2224	2195	2150	1918	1689	1604	1512	1453	1364	1297	1116	1.80	867	1074	1175
	1.80	2258	2240	2205	1978	1750	1671	1575	1514	1428	1365	1181	1.75	919	1155	1278
	1.75	2438	2397	2359	2057	1838	1750	1654	1589	1499	1440	1252	1.67	978	1236	1380
SEC 2ETG 1875 15 OPzV 1850	1.85	2382	2352	2303	2055	1809	1719	1620	1557	1461	1372	1196	1.80	929	1151	1259
	1.80	2419	2400	2363	2119	1875	1791	1688	1622	1530	1444	1266	1.75	984	1238	1369
	1.75	2612	2568	2528	2204	1969	1875	1772	1703	1607	1523	1342	1.67	1048	1324	1478
SEC 2ETG 2000 16 OPzV 2000	1.85	2551	2509	2457	2192	1930	1834	1743	1680	1585	1482	1276	1.80	989	1237	1343
	1.80	2590	2560	2520	2260	2000	1910	1816	1750	1660	1560	1350	1.75	1050	1330	1460
	1.75	2797	2739	2696	2350	2100	2000	1907	1838	1743	1646	1431	1.67	1118	1423	1577
SEC 2ETG 2500 20 OPzV 2500	1.85	3189	3138	3071	2740	2413	2292	2177	2100	1994	1781	1595	1.80	1236	1546	1679
	1.80	3238	3200	3180	2825	2500	2388	2268	2188	2088	1875	1688	1.75	1313	1663	1825
	1.75	3497	3424	3371	2938	2625	2500	2381	2287	2192	1978	1789	1.67	1398	1779	1979
SEC 2ETG 3000 24 OPzV 3000	1.85	3812	3763	3671	3288	2895	2750	2612	2520	2392	2223	1914	1.80	1484	1850	2015
	1.80	3870	3840	3765	3390	3000	2865	2721	2625	2505	2340	2025	1.75	1575	1989	2190
	1.75	4180	4109	4029	3526	3150	3000	2857	2756	2630	2469	2147	1.67	1677	2126	2365

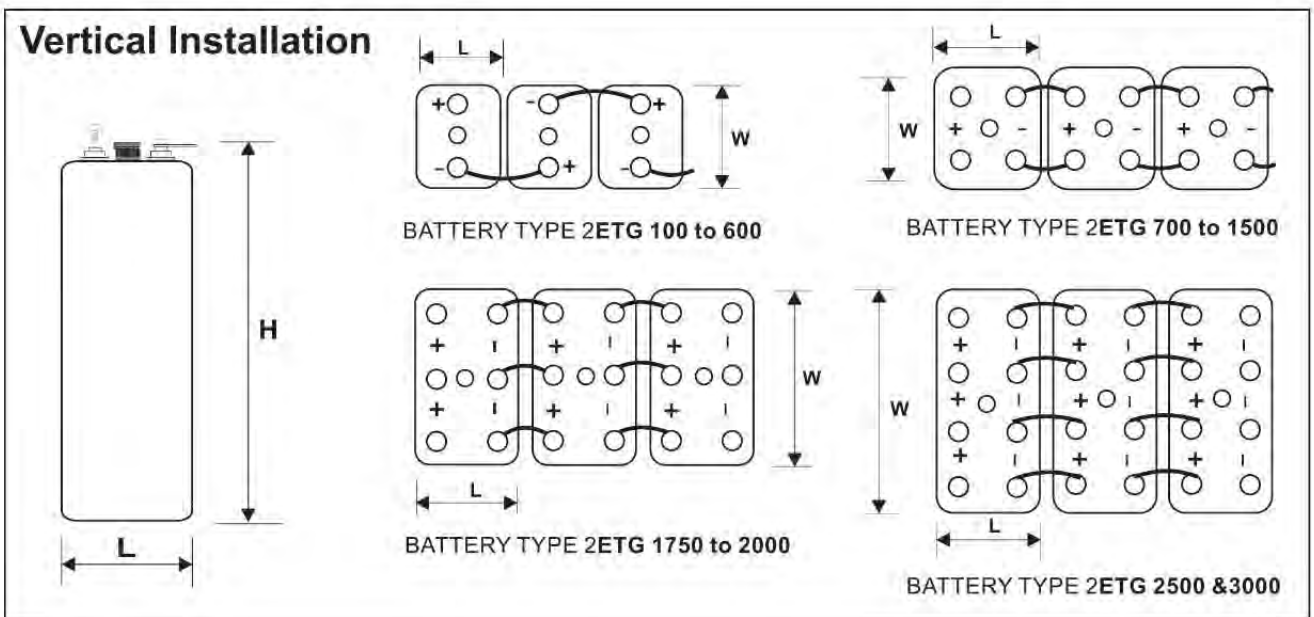
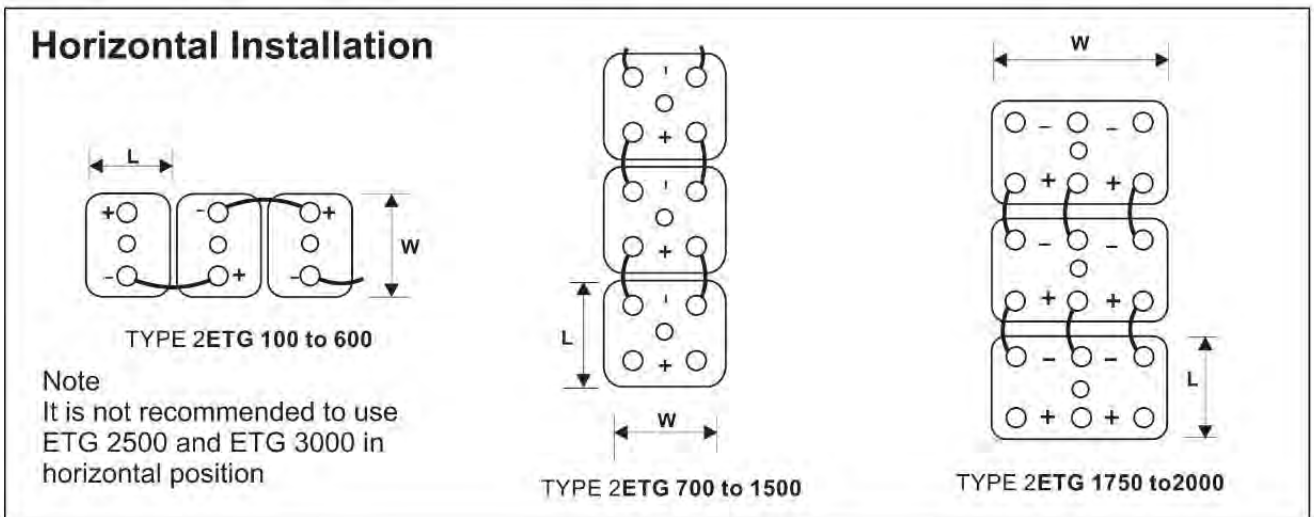
Actual Capacity may be +/- 5% of figures shown

CELLYTE Gel OPzV Range - GVRLA Tubular Plate

Cell / Battery Dimensions, Weight and Packing Information

SEC BLOC & CELL TYPE	European DIN TYPE	Nom. Volts	Nominal Capacity AH - C/10	Capacity C/120 Amp hour	Overall Dimensions			Number of Terminal	Unit Weight KG	Units per Crate	Crate Weight KG	Crates per 20' Container	Units per 20' Container
					Length mm	Width mm	Height mm						
SEC 2ETG 100	2 OPzV 100	2	100	137	105	208	400	2	14	12	200	96	1152
SEC 2ETG 150	3 OPzV 150	2	150	205	105	208	400	2	17	12	223	90	1080
SEC 2ETG 200	4 OPzV 200	2	200	273	105	208	400	2	20	12	270	76	912
SEC 2ETG 250	5 OPzV 250	2	250	341	126	208	400	2	24	12	318	65	780
SEC 2ETG 300	6 OPzV 300	2	300	419	147	208	400	2	29	12	378	55	660
SEC 2ETG 350	5 OPzS 350	2	350	477	126	208	500	2	31	12	402	51	612
SEC 2ETG 420	6 OPzV 420	2	420	572	147	208	500	2	36	12	462	45	540
SEC 2ETG 500	7 OPzV 490	2	500	670	168	208	500	2	42	12	534	39	468
SEC 2ETG 600	6 OPzV 600	2	600	819	147	208	675	2	50	12	630	33	396
SEC 2ETG 700	7 OPzV 700	2	700	1092	193	212	675	4	60	8	580	40	320
SEC 2ETG 800	8 OPzV 800	2	800	956	193	212	675	4	68	8	574	36	288
SEC 2ETG 1000	10 OPzV 1000	2	1000	1365	235	212	675	4	82	8	686	30	240
SEC 2ETG 1200	12 OPzV 1200	2	1200	1638	277	212	675	4	97	8	806	26	208
SEC 2ETG 1500	12 OPzV 1500	2	1500	2048	277	212	825	4	120	8	990	21	168
SEC 2ETG 1750	14 OPzV 1750	2	1750	2386	400	212	800	6	139	6	864	24	144
SEC 2ETG 1875	15 OPzV 1875	2	1875	2561	400	212	800	6	157	6	972	21	126
SEC 2ETG 2000	16 OPzV 2000	2	2000	2730	400	212	800	6	160	6	990	21	126
SEC 2ETG 2500	20 OPzV 2500	2	2500	3419	489	212	800	8	200	4	830	25	100
SEC 2ETG 3000	24 OPzV 3000	2	3000	4095	576	212	800	8	240	4	990	21	84

The Information shown above may be changed without notice



CELLYTE Gel OPzV Range - GVRLA Tubular Plate

Stationary & Solar / Cyclic Applications

SEC BLOC & CELL & DIN TYPE	End / Final VPC	DISCHARGE TIME IN HOURS											End / Final VPC	TIME MINUTES		
		Capacity in Amps @ 20 C.												Capacity Amps 20 C.		
		120	100	48	24	10	8	6	5	4	3	2		60	30	15
SEC 2ETG 100 2 OPzV 100	1.85	1.09	1.28	2.60	4.73	9.65	11.5	13.9	16.1	19.5	23.8	30.2	1.80	52	72	101
	1.80	1.11	1.31	2.67	4.88	10.0	11.9	14.5	16.8	20.4	25.0	32.0	1.75	55	77	110
	1.75	1.20	1.40	2.85	5.07	10.5	12.5	15.2	17.6	21.4	26.4	33.9	1.67	59	82	119
SEC 2ETG 150 3 OPzV 150	1.85	1.64	1.93	3.90	7.09	14.5	17.2	20.9	24.2	29.2	35.6	45.4	1.80	78	107	152
	1.80	1.66	1.97	4.00	7.31	15.0	17.9	21.8	25.2	30.6	37.5	48.0	1.75	83	116	165
	1.75	1.80	2.10	4.28	7.61	15.8	18.8	22.8	26.5	32.1	39.6	50.9	1.67	88	124	178
SEC 2ETG 200 4 OPzV 200	1.85	2.18	2.57	5.20	9.46	19.3	22.9	27.8	32.3	38.2	47.5	60.5	1.80	102	158	202
	1.80	2.22	2.62	5.33	9.75	20.0	23.9	29.0	33.6	40.0	50.0	64.0	1.75	108	168	220
	1.75	2.39	2.80	5.71	10.1	21.0	25.0	30.5	35.3	42.0	52.8	67.8	1.67	115	180	238
SEC 2ETG 250 5 OPzV 250	1.85	2.73	3.21	6.50	11.8	24.1	28.7	34.8	40.3	47.2	59.4	75.6	1.80	130	195	253
	1.80	2.77	3.28	6.67	12.2	25.0	29.8	36.3	42.0	49.4	62.5	80.0	1.75	138	210	275
	1.75	2.99	3.50	7.13	12.7	26.3	31.2	38.1	44.1	51.8	65.9	84.8	1.67	148	225	297
SEC 2ETG 300 6 OPzV 300	1.85	3.28	3.85	7.80	14.2	29.0	34.4	42.2	48.4	58.6	71.3	90.7	1.80	156	232	304
	1.80	3.33	3.93	8.00	14.6	30.0	35.8	44.0	50.4	59.3	75.0	96	1.75	165	249	330
	1.75	3.59	4.21	8.66	15.2	31.5	37.6	46.2	52.9	62.2	79.1	102	1.67	176	266	356
SEC 2ETG 350 5 OPzV 350	1.85	3.82	4.49	9.10	16.6	33.8	40.1	51.0	58.8	68.5	83.1	112	1.80	185	270	322
	1.80	3.88	4.59	9.3	17.1	35.0	41.8	53.1	61.3	71.8	87.5	118	1.75	196	291	350
	1.75	4.19	4.91	10.0	17.7	36.8	43.7	55.7	64.3	75.3	92.3	125	1.67	209	311	378
SEC 2ETG 420 6 OPzV 420	1.85	4.59	5.39	10.9	19.9	40.5	48.4	61.8	70.6	81.8	100	133	1.80	222	320	386
	1.80	4.66	5.50	11.2	20.5	42.0	50.4	64.4	73.5	85.7	105	141	1.75	235	344	420
	1.75	5.03	5.89	12.0	21.3	44.1	52.9	67.6	77.2	90.0	111	149	1.67	250	369	454
SEC 2ETG 500 7 OPzV 490	1.85	5.44	6.37	13.0	23.4	48.3	57.3	72.0	83.0	96.7	117	155	1.80	260	377	451
	1.80	5.52	6.50	13.3	24.2	50.0	59.7	75.0	86.5	101	123	164	1.75	275	405	490
	1.75	5.96	6.96	14.3	25.1	52.5	62.5	78.8	90.8	106	130	174	1.67	293	433	529
SEC 2ETG 600 6 OPzV 600	1.85	6.55	7.70	15.6	28.1	57.9	68.8	86.4	100	117	143	189	1.80	312	424	497
	1.80	6.65	7.86	16.0	29.0	60.0	71.6	90.0	104	122	150	200	1.75	330	456	540
	1.75	7.18	8.41	17.1	30.2	63.0	75.0	94.5	109	129	158	211	1.67	351	488	583
SEC 2ETG 700 7 OPzV 700	1.85	7.58	8.92	18.2	32.7	67.6	80.2	101	116	137	166	220	1.80	363	495	580
	1.80	7.70	9.10	18.7	33.7	70.0	83.6	105	121	144	175	233	1.75	385	532	630
	1.75	8.32	9.74	20.0	35.0	73.5	87.5	110	127	151	185	247	1.67	410	569	680
SEC 2ETG 800 8 OPzV 800	1.85	8.67	10.1	20.8	37.3	77.2	91.7	115	133	157	190	251	1.80	415	565	662
	1.80	8.80	10.4	21.4	38.5	80.0	95.5	120	138	164	200	268	1.75	440	608	720
	1.75	9.50	11.1	22.9	40.0	84.0	100	126	145	172	211	282	1.67	469	651	778
SEC 2ETG 1000 10 OPzV 1000	1.85	10.8	12.7	26.1	46.7	97	115	144	166	195	238	314	1.80	524	707	828
	1.80	11.0	13.0	26.7	48.1	100	119	150	173	204	250	333	1.75	555	760	900
	1.75	11.9	13.9	28.6	50.1	105	125	158	182	214	264	352	1.67	591	813	972
SEC 2ETG 1200 12 OPzV 1200	1.85	13.0	15.3	31.3	56.0	116	138	173	199	234	285	377	1.80	629	848	983
	1.80	13.2	15.6	32.1	57.8	120	143	180	208	245	300	399	1.75	666	912	1068
	1.75	14.3	16.7	34.3	60.1	126	150	189	218	257	317	423	1.67	709	976	1153
SEC 2ETG 1500 12 OPzV 1500	1.85	15.9	18.8	38.4	68.5	145	172	218	252	297	371	478	1.80	743	928	1014
	1.80	16.1	19.2	39.4	70.6	150	179	227	263	311	390	506	1.75	788	999	1103
	1.75	17.4	20.5	42.1	73.5	158	187	238	276	327	411	537	1.67	839	1067	1191
SEC 2ETG 1750 14 OPzV 1750	1.85	18.5	22.0	44.8	79.9	169	201	252	291	341	432	558	1.80	867	1074	1175
	1.80	18.8	22.4	45.9	82.4	175	209	263	303	357	455	591	1.75	919	1155	1278
	1.75	20.3	24.0	49.2	85.7	184	219	276	318	375	480	626	1.67	978	1236	1380
SEC 2ETG 1875 15 OPzV 1850	1.85	19.9	23.5	48.0	85.6	181	215	270	311	365	457	598	1.80	929	1151	1259
	1.80	20.2	24.0	49.2	88.3	188	224	281	324	383	481	633	1.75	984	1238	1369
	1.75	21.8	25.7	52.7	91.8	197	234	295	341	402	508	671	1.67	1048	1324	1478
SEC 2ETG 2000 16 OPzV 2000	1.85	21.3	25.1	51.2	91.3	193	229	291	336	396	494	638	1.80	989	1237	1343
	1.80	21.6	25.6	52.5	94.2	200	238	303	350	415	520	675	1.75	1050	1330	1460
	1.75	23.3	27.4	56.2	98	210	250	318	368	438	548	716	1.67	1118	1423	1577
SEC 2ETG 2500 20 OPzV 2500	1.85	26.6	31.4	64.0	114	241	287	363	420	498	594	797	1.80	1236	1546	1679
	1.80	27.0	32.0	65.6	118	250	298	378	438	522	625	844	1.75	1313	1663	1825
	1.75	29.1	34.2	70.2	122	263	312	397	459	548	659	894	1.67	1398	1779	1971
SEC 2ETG 3000 24 OPzV 3000	1.85	31.8	37.6	76.5	137	290	344	435	504	598	741	957	1.80	1484	1850	2015
	1.80	32.3	38.4	78.4	141	300	358	454	525	626	780	1013	1.75	1575	1989	2190
	1.75	34.8	41.1	83.9	147	315	375	476	551	658	823	1073	1.67	1677	2126	2365

Actual Capacity may be +/- 5% of figures shown

CELLYTE Gel OPzV Range - GVRLA Tubular Plate

Stationary & Solar / Cyclic Applications

SEC BLOC & CELL & DIN TYPE	End / Final VPC	Discharge Time In Hours Watts Per Cell @ 20 C.							End / Final VPC	Time Minutes Watts Per Cell 20 C.			Short Circuit Current	Internal Resistance Ohms
		10	8	6	5	4	3	2		60	30	15		
SEC 2ETG 100 2 OPzV 100	1.80	19.1	22.7	27.6	31.6	38.0	46.0	58.1	1.75	98	134	188	960	1.65
	1.75	19.7	23.5	28.5	32.6	39.4	48.0	60.7	1.70	103	141	198		
	1.70	20.6	24.6	29.9	34.1	41.2	50.3	64.0	1.67	109	150	213		
SEC 2ETG 150 3 OPzV 150	1.80	28.7	34.1	41.4	47.4	57.0	69.0	87.1	1.75	148	202	282	1450	1.25
	1.75	29.5	35.2	42.8	48.9	59.1	71.9	91.1	1.70	154	211	297		
	1.70	30.9	36.9	44.9	51.1	61.8	75.5	96.1	1.67	163	224	319		
SEC 2ETG 200 4 OPzV 200	1.80	38.3	45.4	55.2	63.2	74.5	92.0	116	1.75	193	293	376	2200	1.00
	1.75	39.4	46.9	57.1	65.3	77.3	96	121	1.70	201	307	396		
	1.70	41.3	49.2	59.8	68.2	80.7	101	128	1.67	213	326	425		
SEC 2ETG 250 5 OPzV 250	1.80	47.9	56.8	69.0	79.0	92	115	145	1.75	246	367	471	2700	0.81
	1.75	49.2	58.7	71.3	81.6	95	120	152	1.70	256	383	495		
	1.70	51.6	61.4	74.8	85.2	100	126	160	1.67	272	408	532		
SEC 2ETG 300 6 OPzV 300	1.80	57.4	68.2	83.8	94.8	110	138	174	1.75	295	435	565	3340	0.63
	1.75	59.0	70.5	86.6	97.9	114	144	182	1.70	308	454	594		
	1.70	61.9	73.7	90.8	102	120	151	192	1.67	326	484	638		
SEC 2ETG 350 5 OPzV 350	1.80	67.0	79.6	101	115	134	161	214	1.75	350	507	599	3310	0.62
	1.75	68.9	82.2	104	119	139	168	224	1.70	366	530	630		
	1.70	72.2	86.0	110	124	145	176	236	1.67	387	564	677		
SEC 2ETG 420 6 OPzV 420	1.80	80.4	96.0	123	138	160	193	255	1.75	421	601	719	3930	0.55
	1.75	82.7	99.2	127	143	166	201	267	1.70	439	629	756		
	1.70	86.7	104	133	149	173	211	282	1.67	465	669	812		
SEC 2ETG 500 7 OPzV 490	1.80	95.7	114	143	163	189	227	297	1.75	492	707	838	4370	0.50
	1.75	98.4	117	148	168	196	237	311	1.70	513	739	882		
	1.70	103	123	155	175	204	248	328	1.67	543	787	947		
SEC 2ETG 600 6 OPzV 600	1.80	115	136	171	195	228	276	362	1.75	590	796	924	4290	0.49
	1.75	118	141	177	202	236	288	379	1.70	615	832	972		
	1.70	124	147	186	211	247	302	399	1.67	652	886	1044		
SEC 2ETG 700 7 OPzV 700	1.80	134	159	200	228	267	322	422	1.75	688	929	1078	4350	0.45
	1.75	138	164	207	235	277	336	442	1.70	718	971	1134		
	1.70	144	172	217	246	290	352	466	1.67	761	1033	1218		
SEC 2ETG 800 8 OPzV 800	1.80	153	182	229	260	305	368	483	1.75	787	1061	1232	4950	0.38
	1.75	157	188	236	269	317	384	505	1.70	821	1110	1296		
	1.70	165	196	248	281	331	403	532	1.67	869	1181	1392		
SEC 2ETG 1000 10 OPzV 1000	1.80	191	227	286	325	380	460	603	1.75	992	1327	1540	6300	0.34
	1.75	197	235	295	336	394	480	631	1.70	1035	1387	1620		
	1.70	206	246	309	351	412	503	665	1.67	1096	1476	1740		
SEC 2ETG 1200 12 OPzV 1200	1.80	230	273	343	390	456	552	724	1.75	1191	1592	1828	7840	0.31
	1.75	236	282	354	403	473	575	757	1.70	1242	1664	1922		
	1.70	248	295	371	421	494	604	799	1.67	1316	1771	2065		
SEC 2ETG 1500 12 OPzV 1500	1.80	287	341	432	494	580	718	919	1.75	1408	1741	1887	8900	0.27
	1.75	295	352	446	510	601	748	961	1.70	1469	1820	1985		
	1.70	309	368	468	533	628	785	1013	1.67	1556	1937	2131		
SEC 2ETG 1750 14 OPzV 1750	1.80	335	398	500	569	665	837	1072	1.75	1643	2016	2186	9250	0.26
	1.75	344	411	517	588	690	873	1121	1.70	1713	2108	2300		
	1.70	361	430	542	614	720	916	1182	1.67	1815	2243	2470		
SEC 2ETG 1875 15 OPzV 1850	1.80	359	426	536	610	712	886	1148	1.75	1760	2160	2342	9450	0.25
	1.75	369	440	554	630	739	923	1201	1.70	1836	2258	2464		
	1.70	387	460	580	658	772	969	1266	1.67	1945	2403	2646		
SEC 2ETG 2000 16 OPzV 2000	1.80	383	455	576	658	773	957	1225	1.75	1873	2322	2498	9750	0.24
	1.75	394	470	596	680	802	997	1281	1.70	1958	2427	2628		
	1.70	413	491	624	710	838	1047	1351	1.67	2074	2583	2822		
SEC 2ETG 2500 20 OPzV 2500	1.80	479	568	720	823	972	1150	1531	1.75	2342	2902	3123	10250	0.22
	1.75	492	587	744	850	1008	1199	1601	1.70	2448	3034	3285		
	1.70	516	614	780	888	1053	1258	1689	1.67	2593	3229	3528		
SEC 2ETG 3000 24 OPzV 3000	1.80	574	682	864	987	1166	1435	1837	1.75	2810	3472	3748	10800	0.20
	1.75	590	705	892	1020	1210	1496	1922	1.70	2937	3630	3942		
	1.70	619	737	936	1065	1264	1570	2026	1.67	3112	3863	4234		

Actual Capacity may be +/- 5% of figures shown

Recombination principle

With sealed batteries the principle of internal recombination is used:

The oxygen, which is produced in the positive plate during charging causes an oxidation process which occurs at the negative plate. Through various interim stages lead sulphate is produced which is constantly converted to active material by the charging current and releases water. This creates a closed water regeneration cycle. By using special alloys with a high electrode potential the formation of hydrogen at the negative electrodes is almost entirely suppressed.

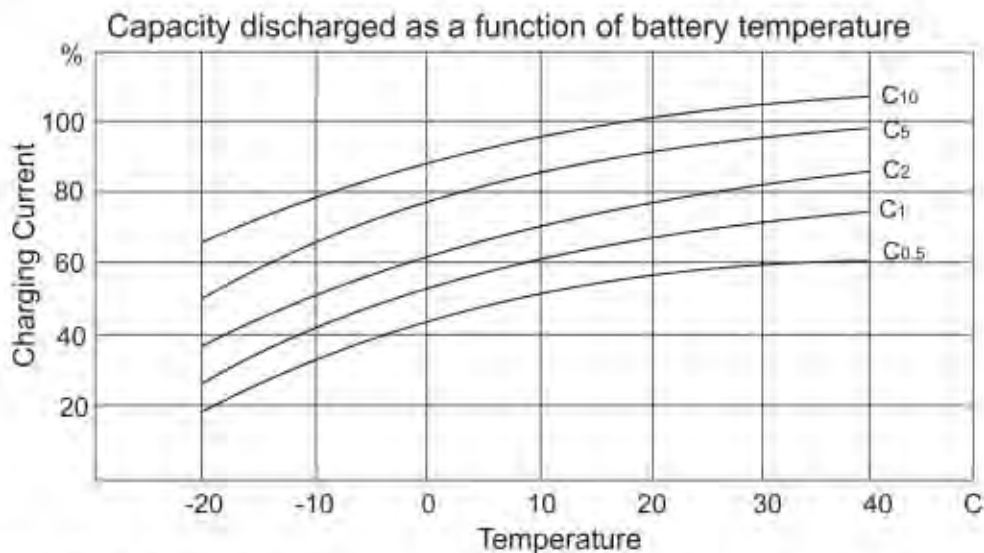
The recombination principle reliably reduces water loss and the escape of electrolyte gases. Should excess gases be produced through overcharging or misuse! these can escape through a vent.

Charging

In practice constant voltage charging has become generally accepted for continuous battery power supply. Using this method of charging the battery can be charged at either 2.25 V/cell or 2.35 V/cell. A complete recharge is also possible at a voltage of 2.25 V/cell.

A charging current limit is not necessary up to a charging voltage of 2.35 V/cell. The battery room ventilation corresponds to EN 50 272-2/DIN VDE 0510 part 2. The absolute gas-tight construction allows the battery to be operated in both a vertical and horizontal position.

Operating Temperature : -25 to +55C. However we recommend that the batteries be operated in the temperature range of 20 to 25C. to obtain full life and optimum performance.



CELLYTE Gel OPzV Range - Horizontal & Vertical Racking Systems.

SEC OPzV Range of Batteries can be mounted on/in vertical or Horizontal Racking System
It is not recommended to mount Batteries larger than 2000 Ah in horizontal position.



Typical rack for horizontal configuration of SEC OPzV range of batteries

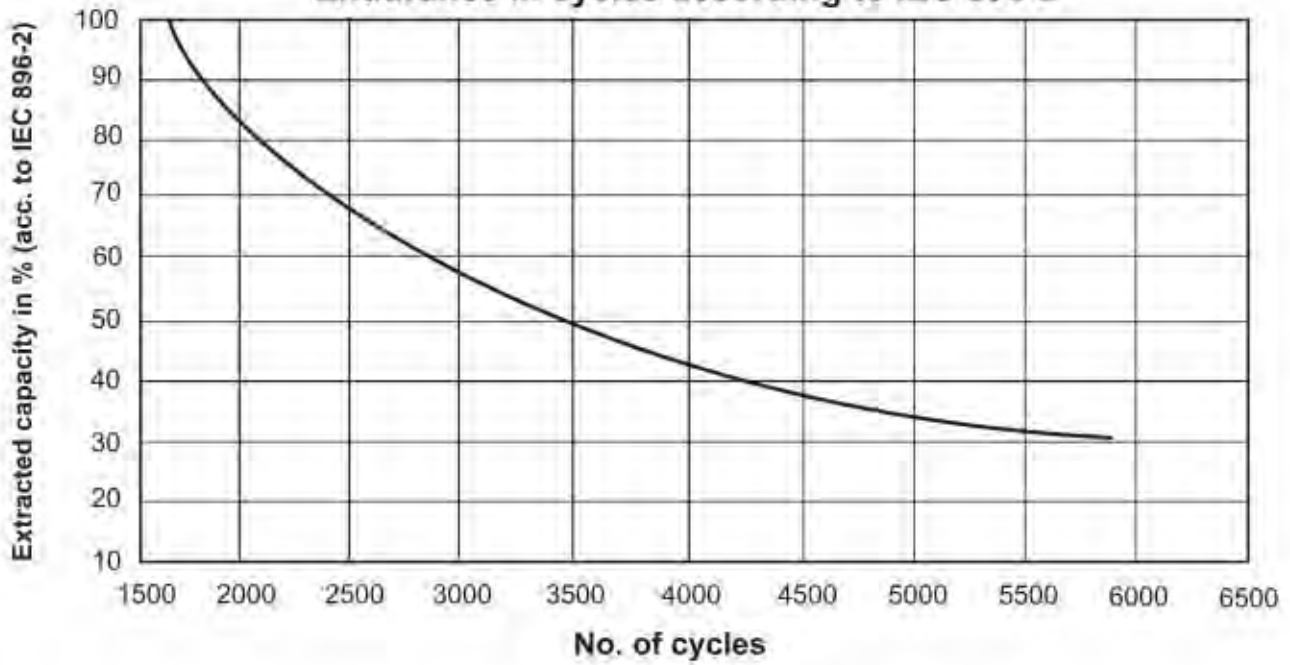


Typical anti-seismic rack for vertical cell configuration of SEC-OPzV range of batteries

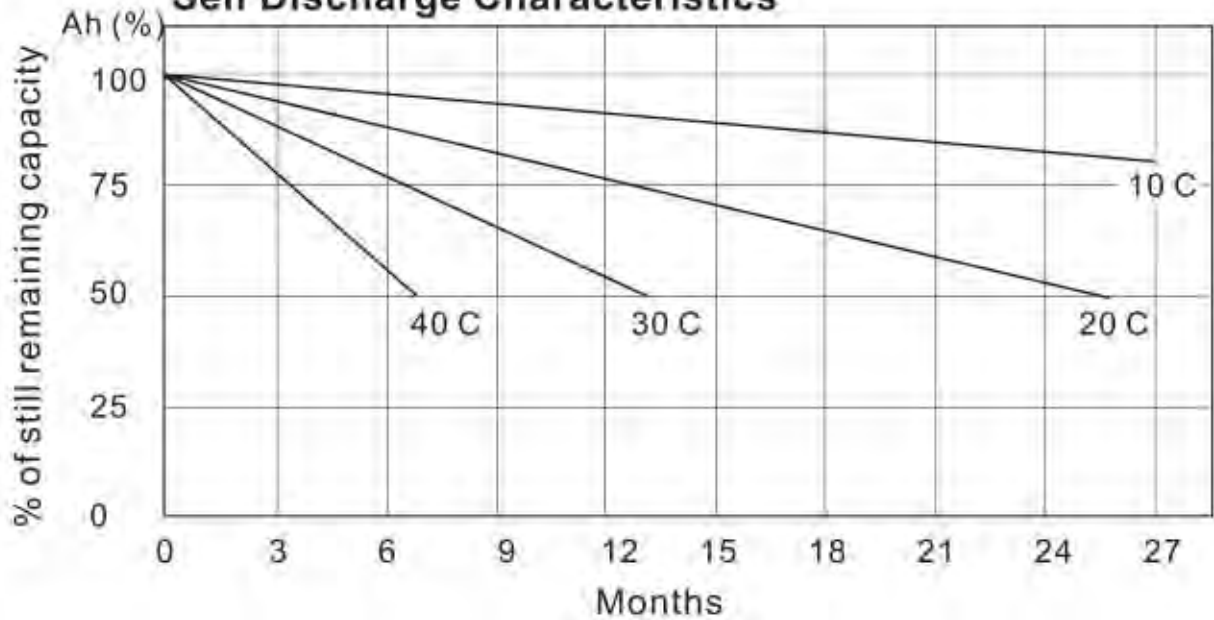


Typical standard rack for vertical configuration of SEC OPzV range of batteries

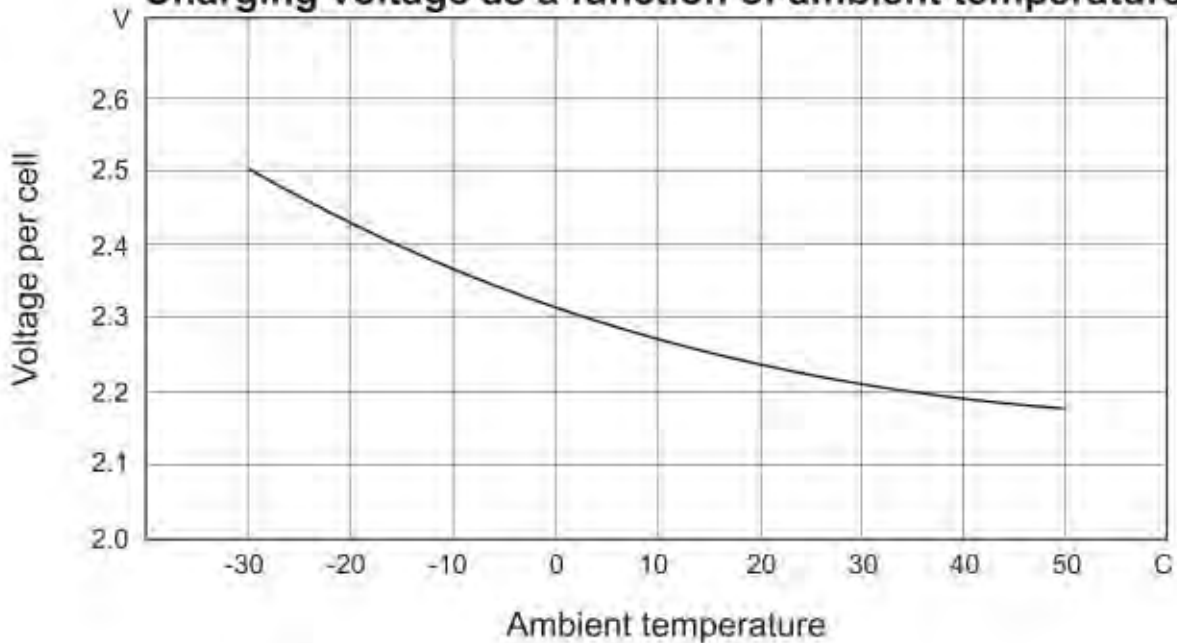
Endurance in cycles according to IEC 896-2



Self Discharge Characteristics

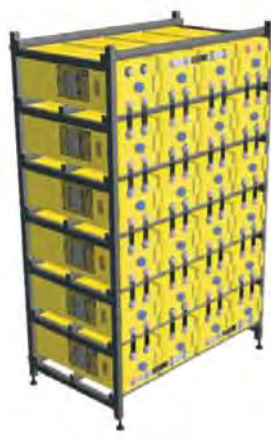


Charging voltage as a function of ambient temperature





CELLYTE 2CMT Modular



CELLYTE 2TLAM/G Tubular



CELLYTE 2CMT, 2TLAM/G with Catalyst



CELLYTE 12FTA/G Range



CELLYTE 6-12TLA Range



CELLYTE 6-12TUA Range



CELLYTE 6-12TLG Range



CELLYTE 6-12TSG Range



MICROLYTE +Plus Range



MICROLYTE Red Top Range



CELLYTE 2TLA/G Range



**SEC 2ETG OPzV Range
in Tubular Rack**



SEC Tubular OPzS Range



SEC Nickel Cadmium Range



Typical VRLA Catalyst