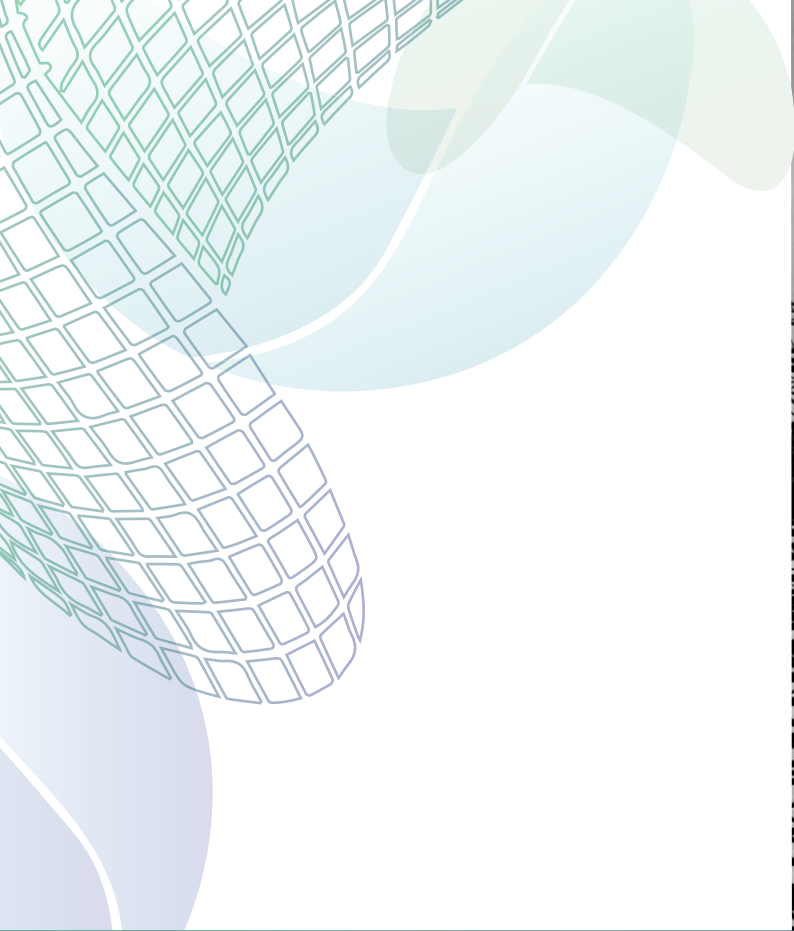




CELLYTE 2 TRA SERIES

2V FLOODED TUBULAR PLATE OPzS BATTERY



SEC - 2 - TRA

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SEC Industrial Battery Co. Ltd.

Battery Profile

DESIGN LIFE

20 year design life in float service @ 25°C

100Ah-3000Ah at C/10 to 1.80vpc @ 25°C.

2000 cycles to 80% DoD

MANUFACTURED TO COMPLY

DIN 40736-1992

Eurobat

ISO 9001:2008

ISO 14001:2004

APPLICATIONS

Telecommunications
Photovoltaic/Cyclic
Power Plant
Emergency Lighting
Transmission Switching
UPS systems
Alarm systems
Signalling

SPECIFICATIONS

Positive electrode:	Tubular spine grid/ low antimony /multi woven polyester sleeve
Negative electrode:	Flat pasted grid / two level mesh for low resistance
Float Voltage:	2.20 vpc $\pm$ 1% at 25°C
Max.Charge Voltage:	2.35 vpc $\pm$ 1% at 25°C
Electrolyte:	Specific gravity 1.240 / Large reserve for low maintenance
Safety Valve:	1-3 PSI Self-Resealing
Separators:	Microporous Plastic
Terminals:	O-ring sealing system / Copper female Insert for M8 Bolt

INNOVATIVE FEATURES

Low Self Discharge
Latest plates formation technology
Accepts high charge rate
Requires no equalisation
Explosion Proof / Increased Safety
Long Life
Deep Cycle Capability



Ampere Hour @ 25°C

SEC CELL Type	European DIN TYPE	DISCHARGE DATA AMPERE HOURS @ 25°C													
		100hr	72hr	48hr	24hr	10hr	8hr	6hr	5hr	4hr	3hr	2hr	1hr	30MINS	
		1.85vpc	1.85vpc	1.85vpc	1.85vpc	1.80vpc	1.75vpc	1.77vpc	1.77vpc	1.75vpc	1.75vpc	1.75vpc	1.67vpc	1.65vpc	
2-TRA-100	2 OPzS 100	141	140	134	125	100	100	88.0	87.5	79.0	75.0	62.0	53.0	39.0	
2-TRA-150	3 OPzS 150	212	210	201	188	150	150	133	126	120	113	95.0	80.0	58.0	
2-TRA-200	4 OPzS 200	282	280	268	250	200	200	178	169	160	150	126	106	77.0	
2-TRA-250	5 OPzS 250	352	350	335	310	250	250	222	211	200	188	157	130	96.0	
2-TRA-300	6 OPzS 300	420	420	402	374	300	300	266	253	239	225	188	160	115	
2-TRA-350	5 OPzS 350	505	500	469	434	350	350	310	294	279	263	220	186	134	
2-TRA-420	6 OPzS 420	605	600	562	525	420	420	372	353	334	315	263	224	161	
2-TRA-490	7 OPzS 490	709	705	656	610	500	500	437	412	390	368	307	260	188	
2-TRA-600	6 OPzS 600	865	864	804	732	600	600	532	505	478	450	373	310	213	
2-TRA-700	7 OPzS 700	1010	1001	936	852	700	608	618	590	556	525	435	365	214	
2-TRA-800	8 OPzS 800	1155	1150	1070	974	800	800	708	674	636	600	498	418	284	
2-TRA-1000	10 OPzS 1000	1445	1440	1339	1210	1000	1000	887	843	796	750	622	520	355	
2-TRA-1200	12 OPzS 1200	1730	1725	1608	1459	1200	1200	1062	1010	956	900	747	620	426	
2-TRA-1500	12 OPzS 1500	2115	2100	2010	1800	14	1500	1308	1235	1176	1116	912	745	528	
2-TRA-1750	14 OPzS 1750	2465	2448	2345	2100	1750	1750	1529	1440	1372	1302	1064	870	621	
2-TRA-1875	15 OPzS 1880	2630	2625	2510	2250	1875	1872	1638	1544	1470	1395	1140	930	660	
2-TRA-2000	16 OPzS 2000	2810	2800	2678	2400	2000	2000	1746	1645	1567	1488	1215	990	704	
2-TRA-2250	18 OPzS 2250	3160	3150	3014	2700	2250	2248	1992	1900	1792	1686	1378	1120	792	
2-TRA-2500	20 OPzS 2500	3520	3499	3350	3000	2500	2500	2184	2058	1959	1860	1519	1235	880	
2-TRA-3000	24 OPzS 3000	4220	4198	4020	3600	3000	3000	2621	2470	2351	2232	1823	1480	1056	

Amps @ 25°C

SEC CELL Type	European DIN TYPE	DISCHARGE DATA AMPS @ 25°C													
		100hr	72hr	48hr	24hr	10hr	8hr	6hr	5hr	4hr	3hr	2hr	1hr	30MINS	
		1.85vpc	1.85vpc	1.85vpc	1.85vpc	1.80vpc	1.75vpc	1.77vpc	1.77vpc	1.75vpc	1.75vpc	1.75vpc	1.67vpc	1.65vpc	
2-TRA-100	2 OPzS 100	1.41	1.94	2.79	5.21	10.0	12.5	14.7	17.5	19.8	25.0	31.0	53.0	78.0	
2-TRA-150	3 OPzS 150	2.12	2.92	4.19	7.83	15.0	18.8	22.2	25.2	30.0	37.7	47.5	80.0	116	
2-TRA-200	4 OPzS 200	2.82	3.89	5.58	10.4	20.0	25.0	29.7	33.8	40.0	50.0	63.0	106	154	
2-TRA-250	5 OPzS 250	3.52	4.86	6.98	12.9	25.0	31.3	37.0	42.2	50.0	62.7	78.5	130	192	
2-TRA-300	6 OPzS 300	4.20	5.83	8.38	15.6	30.0	37.5	44.3	50.6	59.8	75.0	94.0	160	230	
2-TRA-350	5 OPzS 350	5.05	6.94	9.77	18.1	35.0	43.8	51.7	58.8	69.8	87.7	110	186	268	
2-TRA-420	6 OPzS 420	6.05	8.33	11.7	21.9	42.0	52.5	62.0	70.6	83.5	105	132	224	322	
2-TRA-490	7 OPzS 490	7.09	9.79	13.7	25.4	50.0	62.5	72.8	82.4	97.5	123	154	260	375	
2-TRA-600	6 OPzS 600	8.65	12.0	16.8	30.5	60.0	75.0	88.7	101	120	150	187	310	426	
2-TRA-700	7 OPzS 700	10.1	13.9	19.5	35.5	70.0	76.0	103	118	139	175	218	365	427	
2-TRA-800	8 OPzS 800	11.6	16.0	22.3	40.6	80.0	100	118	135	159	200	249	418	568	
2-TRA-1000	10 OPzS 1000	14.5	20.0	27.9	50.4	100	125	148	169	199	250	311	520	710	
2-TRA-1200	12 OPzS 1200	17.3	24.0	33.5	60.8	120	150	177	202	239	300	374	620	852	
2-TRA-1500	12 OPzS 1500	21.2	29.2	41.9	75.0	150	188	218	247	294	372	456	745	1056	
2-TRA-1750	14 OPzS 1750	24.7	34.0	48.9	87.5	175	219	255	288	343	434	532	870	1242	
2-TRA-1875	15 OPzS 1880	26.3	36.5	52.3	93.8	188	234	273	309	368	465	570	930	1320	
2-TRA-2000	16 OPzS 2000	28.1	38.9	55.8	100	200	250	291	329	392	496	608	990	1408	
2-TRA-2250	18 OPzS 2250	31.6	43.8	62.8	113	225	281	332	380	448	562	689	1120	1584	
2-TRA-2500	20 OPzS 2500	35.2	48.6	69.8	125	250	313	364	412	490	620	760	1235	1760	
2-TRA-3000	24 OPzS 3000	42.2	58.3	83.8	150	300	375	437	494	588	744	912	1480	2112	

Dimensions, Weights, Data

SEC CELL Type	European DIN TYPE	Nom. Volts	Overall Dimensions				Cell Weight		Electrolyte		Internal Resistance m Ohms	Short Circuit Current	1 Min. Discharge Rate	Number of Terminal
			Length mm	Width mm	Height 1 mm	Height 2 mm	Dry kg	Wet kg	Elect. kg	Elect. ltr. + 10%				
2-TRA-100	2 OPzS 100	2	105	208	356	411	8.50	13.5	5.00	4.44	2.23	1020	110	2
2-TRA-150	3 OPzS 150	2	105	208	356	441	11.0	15.5	4.50	3.99	1.62	1610	160	2
2-TRA-200	4 OPzS 200	2	105	208	356	471	13.5	17.5	4.00	3.55	0.95	2160	240	2
2-TRA-250	5 OPzS 250	2	126	208	356	501	16.0	21.0	5.00	4.44	0.76	2700	300	2
2-TRA-300	6 OPzS 300	2	147	208	356	531	18.5	24.5	6.00	5.32	0.63	3240	360	2
2-TRA-350	5 OPzS 350	2	126	208	472	527	21.0	28.0	7.00	6.21	0.70	2900	385	2
2-TRA-420	6 OPzS 420	2	147	208	472	527	24.5	33.0	8.50	7.54	0.58	3480	460	2
2-TRA-490	7 OPzS 490	2	166	208	472	527	26.0	36.0	10.0	8.87	0.50	1060	530	2
2-TRA-600	6 OPzS 600	2	147	208	647	702	31.0	43.0	12.0	10.6	0.46	4300	504	2
2-TRA-700	7 OPzS 700	2	193	212	647	702	36.5	50.5	14.0	12.4	0.39	4900	390	4
2-TRA-800	8 OPzS 800	2	193	212	647	702	44.0	60.0	16.0	14.2	0.35	5760	672	4
2-TRA-1000	10 OPzS 1000	2	235	212	647	702	52.0	72.0	20.0	17.7	0.28	7200	840	4
2-TRA-1200	12 OPzS 1200	2	277	212	647	702	62.0	86.0	24.0	21.3	0.23	8640	1008	4
2-TRA-1500	12 OPzS 1500	2	277	212	797	852	75.0	105	30.0	26.6	0.23	9180	1080	6
2-TRA-1750	14 OPzS 1750	2	401	216	773	828	92.0	127	35.0	31.0	0.22	10200	1175	6
2-TRA-1875	15 OPzS 1880	2	401	216	773	828	98.5	136	37.5	33.3	0.21	11000	1350	6
2-TRA-2000	16 OPzS 2000	2	401	216	773	828	108	150	42.0	37.3	0.17	15600	1440	6
2-TRA-2250	18 OPzS 2250	2	489	214	773	828	119	163	44.5	39.5	0.15	12200	1620	8
2-TRA-2500	20 OPzS 2500	2	489	214	773	828	130	183	53.0	47.0	0.14	15600	1800	8
2-TRA-3000	24 OPzS 3000	2	578	214	773	828	157	220	63.0	55.9	0.11	18900	2160	8



CELLYTE 2CMT/G
Modular Steel Rack



CELLYTE 2TLM/G
Tubular Steel Rack



CELLYTE 2CMT/G, CELLYTE 2TLM/G
with Catalyst



CELLYTE 12PLF & 12PLT



CELLYTE 12FTA/G



CELLYTE 6-12TUA



CELLYTE 6-12TSG



CELLYTE 6-12TLA



CELLYTE 6-12TLG



MICROLYTE +Plus



MICROLYTE Red Top



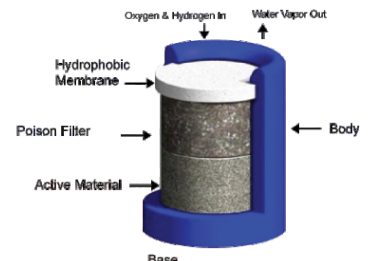
CELLYTE 2ETG OPzV
Tubular Steel Rack



CELLYTE TRA



Nickel Cadmium
Pocket Plate flooded and VR



Typical VRLA catalyst

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