

CELLYTE 6-12 TLA AGM SERIES

6/12V MONOBLOC FLAT PLATE AGM BATTERY



SEC - 6/12 - TLA

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SEC Industrial Battery Co. Ltd.



Battery Profile



DESIGN LIFE

10 year design life in float service @ 25°C

15Ah-240Ah at C/10 to 1.80Vpc at 25°C.

320 Cycles for AGM

MANUFACTURED TO COMPLY

IEC 60896-21/22-2004

BS 6290 Part 4

Eurobat

UL Component approval

ISO 9001:2000

ISO 14001:2004

APPLICATIONS

Telecommunications
Emergency Lighting
Fire & Security Alarm Systems
Switch-gear Operations
UPS Systems
Cellular Radio
Computer Power Supply
Standby Power Supply

SPECIFICATIONS

Positive electrode:	Standard Calcium Grid Pasted Plate
Negative electrode:	Calcium Grid Plate
Float Voltage:	2.25 vpc ±1% at 25°C
Max.Charge Voltage:	2.35 vpc ±1% at 25°C
Container:	ABS grade as standard / flame retardant V-0 material as optional
Electrolyte:	Sulphuric Acid
Safety Valve:	1-3 PSI Self-Resealing
Separators:	Absorbed Glass Mat (AGM) Separator
Terminals:	Integral Copper Insert for Stainless Steel Bolt

INNOVATIVE FEATURES

- Valve regulated with Catalyst
- Proprietary virgin Pure Lead Alloy
- Latest plates formation technology
- Maintenance Free
- Increased Capacity and Cycle life
- Never requires addition of water
- Spill proof and leak proof
- Very low gassing on float charge
- Explosion proof / Increased safety
- Low self-discharge
- Multicell container



CAPACITY



Ampere Hour @ 25°C

SEC Bloc Type	End Volts /Cell	DISCHARGE DATA AMPS			End Volts /Cell	DISCHARGE DATA AMPERE HOURS at 25°C												
		DISCHARGE TIME IN MINUTES				DISCHARGE TIME IN HOURS												
		15mins	30mins	45mins		1hr	1.5hr	2hr	3hr	4hr	5hr	6hr	8hr	10hr	12hr	24hr		
6-TLA-130	1.80	198	127	94.8	1.85	67.8	78.4	83.9	89.6	93.8	97.0	101	107	109	111	120		
	1.75	215	131	97.8	1.80	71.3	83.1	89.0	95.1	99.6	103	107	114	117	119	130		
	1.67	226	134	98.1	1.75	73.4	85.2	91.2	97.4	102	106	109	117	120	122	134		
6-TLA-200	1.80	298	191	142	1.85	102	118	126	134	141	146	151	161	164	167	181		
	1.75	323	197	147	1.80	107	125	134	143	149	155	160	171	175	179	195		
	1.67	339	202	147	1.75	110	128	137	146	153	158	164	175	180	184	201		
6-TLA-210	1.80	331	212	158	1.85	113	131	140	149	156	162	167	179	182	186	201		
	1.75	359	219	163	1.80	119	139	148	158	166	172	178	190	195	198	217		
	1.67	377	224	164	1.75	122	142	152	162	170	176	182	195	200	204	223		
6-TLA-230	1.80	347	222	166	1.85	119	137	147	157	164	170	176	188	191	194	210		
	1.75	377	230	171	1.80	125	146	156	166	174	180	187	199	205	208	227		
	1.67	396	235	172	1.75	129	149	160	170	178	185	191	205	210	214	233		

12-TLA-15	1.80	26.8	17.2	12.8	1.85	8.6	10.6	11.3	12.1	12.7	13.1	13.6	14.5	14.7	15.0	16.8
	1.75	29.1	17.8	13.2	1.80	9.6	11.2	12.0	12.8	13.4	13.9	14.4	15.4	15.8	16.1	18.0
	1.67	30.5	18.1	13.2	1.75	9.9	11.5	12.3	13.1	13.8	14.3	14.8	15.8	16.2	16.5	18.2
12-TLA-20	1.80	37.7	24.1	18.0	1.85	12.9	14.9	15.9	17.0	17.8	18.5	19.1	20.4	20.7	21.1	21.8
	1.75	40.9	25.0	18.6	1.80	13.5	15.8	16.9	18.1	18.9	19.6	20.3	21.7	22.2	22.6	24.0
	1.67	43.0	25.5	18.6	1.75	14.0	16.2	17.3	18.5	19.4	20.1	20.8	22.2	22.8	23.3	24.4
12-TLA-25	1.80	43.0	27.5	20.5	1.85	14.7	17.0	18.2	19.4	20.3	21.0	21.8	23.3	23.7	24.1	25.6
	1.75	46.6	28.5	21.2	1.80	15.4	18.0	19.3	20.6	21.6	22.3	23.1	24.7	25.3	25.8	25.9
	1.67	49.0	29.1	21.3	1.75	15.9	18.5	19.8	21.1	22.1	22.9	23.7	25.3	26.0	26.5	28.3
12-TLA-35	1.80	52.9	33.9	25.3	1.85	18.1	20.9	22.4	23.9	25.0	25.9	26.8	28.6	29.1	29.7	31.0
	1.75	57.4	35.1	26.1	1.80	19.0	22.2	23.7	25.4	26.5	27.5	28.4	30.4	31.2	31.8	33.0
	1.67	60.3	35.8	26.2	1.75	19.6	22.7	24.3	26.0	27.2	28.2	29.2	31.2	32.0	32.6	34.5
12-TLA-40	1.80	64.7	41.4	30.9	1.85	22.1	25.5	27.3	29.2	30.6	31.7	32.8	35.0	35.6	36.3	36.4
	1.75	70.2	42.9	31.9	1.80	23.2	27.1	29.0	31.0	32.4	33.6	34.8	37.1	38.1	38.8	39.1
	1.67	73.7	43.8	32.0	1.75	23.9	27.8	29.7	31.8	33.2	34.4	35.6	38.1	39.1	39.8	41.5
12-TLA-45	1.80	72.8	46.6	34.8	1.85	24.9	28.7	30.8	32.9	34.4	35.6	36.9	39.4	40.0	40.8	41.0
	1.75	78.9	48.2	35.8	1.80	26.1	30.5	32.6	34.8	36.5	37.8	39.1	41.8	42.9	43.7	43.9
	1.67	82.9	49.3	36.0	1.75	26.9	31.2	33.4	35.7	37.4	38.7	40.1	42.9	44.0	44.9	46.7
12-TLA-60	1.80	90.9	58.2	43.5	1.85	31.1	35.9	38.4	41.1	43.0	44.5	46.1	49.3	50.1	51.0	52.0
	1.75	98.7	60.3	44.8	1.80	32.7	38.1	40.8	43.5	45.6	47.2	48.9	52.2	53.6	54.6	55.0
	1.67	104	61.6	45.0	1.75	33.7	39.0	41.8	44.7	46.8	48.4	50.1	53.6	55.0	56.1	59.9
12-TLA-70	1.80	115	73.3	54.7	1.85	36.7	42.5	45.4	48.6	50.8	52.5	54.5	58.2	59.2	60.3	63.8
	1.75	124	75.9	56.4	1.80	41.2	45.0	48.2	51.5	53.9	55.8	57.8	61.7	63.3	64.5	65.0
	1.67	131	77.6	56.6	1.75	42.4	46.2	49.4	52.8	55.2	57.0	59.2	63.3	65.0	66.3	71.0
12-TLA-80	1.80	116	74.1	55.3	1.85	39.5	45.7	48.9	52.2	54.7	56.5	58.7	62.7	63.7	64.9	69.4
	1.75	126	76.7	57.0	1.80	41.6	48.5	51.9	55.5	58.0	60.0	62.2	66.5	68.2	69.5	74.9
	1.67	132	78.4	57.3	1.75	42.8	49.7	53.2	56.7	59.5	61.5	63.6	68.2	70.0	71.4	77.0
12-TLA-90	1.80	132	84.7	63.2	1.85	45.2	52.2	55.9	59.7	62.4	64.8	67.1	71.7	72.8	74.3	80.4
	1.75	144	87.7	65.2	1.80	47.5	55.4	59.3	63.3	66.4	68.5	71.1	76.0	77.9	79.4	77.0
	1.67	151	89.6	65.4	1.75	49.0	56.8	60.8	65.0	68.0	70.4	72.9	77.9	80.0	81.6	89.3
12-TLA-100	1.80	149	95.3	71.1	1.85	50.8	58.8	62.9	67.2	70.4	72.9	75.5	80.6	81.9	83.5	91.4
	1.75	161	98.6	73.3	1.80	53.5	62.4	66.8	71.3	74.7	77.3	79.8	85.5	87.7	89.3	89.0
	1.67	170	101	73.6	1.75	55.1	63.9	68.4	73.1	76.4	79.0	82.0	87.7	90.0	91.8	102
12-TLA-110	1.80	165	106	79.0	1.85	56.5	65.3	69.9	74.7	78.2	81.0	83.8	89.6	91.0	92.8	103
	1.75	179	110	81.5	1.80	59.4	69.3	74.2	79.2	82.8	85.9	88.8	95.0	97.4	99.2	109
	1.67	188	112	81.8	1.75	61.2	71.0	76.0	81.2	85.0	88.0	91.1	97.4	100	102	112
12-TLA-120	1.80	179	114	85.3	1.85	61.0	70.5	75.5	80.7	84.4	87.4	90.6	96.8	98.3	100	110
	1.75	194	118	88.0	1.80	64.2	74.8	80.1	85.5	89.6	92.8	96.0	102	105	107	109
	1.67	204	121	88.3	1.75	66.1	76.7	82.0	87.6	91.8	95.0	98.4	105	108	110	122
12-TLA-130	1.80	196	126	93.9	1.85	67.1	77.6	83.0	88.7	92.8	96.0	99.6	106	108	109	120
	1.75	213	130	96.8	1.80	70.6	82.3	88.1	94.2	98.4	102	106	113	116	117	120
	1.67	224	133	97.2	1.75	72.7	84.3	90.2	96.5	101	105	108	116	119	120	134
12-TLA-150	1.80	213	136	102	1.85	75.2	87.0	93.1	99.5	104	108	112	119	121	124	135
	1.75	231	141	105	1.80	76.5	92.3	98.8	106	110	114	118	126	130	132	139
	1.67	243	144	105	1.75	78.8	94.5	101	108	113	117	121	130	133	136	150
12-TLA-160	1.80	246	157	117	1.85	83.9	97.0	104	111	116	120	125	133	135	138	151
	1.75	266	163	121	1.80	88.2	103	110	118	123	128	132	141	145	147	157
	1.67	280	166	121	1.75	90.9	105	113	121	126	131	135	145	149	151	167
12-TLA-175	1.80	279	179	133	1.85	89.5	103	111	118	124	128	133	142	1		

CURRENT



Amps @ 25°C

SEC Bloc Type	End Volts /Cell	DISCHARGE DATA AMPS			End Volts /Cell	DISCHARGE DATA AMPS at 25°C												
		DISCHARGE TIME IN MINUTES				DISCHARGE TIME IN HOURS												
		15mins	30mins	45mins		1hr	1.5hr	2hr	3hr	4hr	5hr	6hr	8hr	10hr	12hr	24hr		
6-TLA-130	1.80	198	127	94.8	1.85	67.8	52.3	42.0	29.9	23.5	19.4	16.8	13.4	10.9	9.25	5.02		
	1.75	215	131	97.8	1.80	71.3	55.4	44.5	31.7	24.9	20.6	17.8	14.2	11.7	9.92	5.42		
	1.67	226	134	98.1	1.75	73.4	56.8	45.6	32.5	25.5	21.1	18.2	14.6	12.0	10.2	5.58		
6-TLA-200	1.80	298	191	142	1.85	102	78.4	62.9	44.7	35.2	29.1	25.2	20.1	16.4	13.9	7.54		
	1.75	323	197	147	1.80	107	83.2	66.8	47.6	37.3	30.9	26.7	21.4	17.5	14.9	8.13		
	1.67	339	202	147	1.75	110	85.2	68.4	48.7	38.3	31.6	27.3	21.9	18.0	15.3	8.37		
6-TLA-210	1.80	331	212	158	1.85	113	87.1	69.9	49.7	39.0	32.4	27.9	22.4	18.2	15.5	8.37		
	1.75	359	219	163	1.80	119	92.4	74.0	52.8	41.5	34.4	29.6	23.7	19.5	16.5	9.03		
	1.67	377	224	164	1.75	122	94.7	76.0	54.0	42.5	35.2	30.3	24.4	20.0	17.0	9.29		
6-TLA-230	1.80	347	222	166	1.85	119	91.3	73.4	52.3	41.0	34.0	29.3	23.5	19.1	16.2	8.75		
	1.75	377	230	171	1.80	125	97.0	77.9	55.3	43.5	36.0	31.1	24.9	20.5	17.3	9.44		
	1.67	396	235	172	1.75	129	99.3	79.8	56.8	44.6	37.0	31.8	25.6	21.0	17.8	9.71		
12-TLA-15	1.80	26.8	17.2	12.8	1.85	8.55	7.05	5.65	4.03	3.17	2.62	2.26	1.81	1.47	1.25	0.70		
	1.75	29.1	17.8	13.2	1.80	9.60	7.47	6.00	4.27	3.35	2.78	2.40	1.92	1.58	1.34	0.75		
	1.67	30.5	18.1	13.2	1.75	9.90	7.67	6.15	4.38	3.44	2.85	2.46	1.97	1.62	1.38	0.76		
12-TLA-20	1.80	37.7	24.1	18.0	1.85	12.9	9.93	7.95	5.67	4.45	3.69	3.18	2.55	2.07	1.76	0.91		
	1.75	40.9	25.0	18.6	1.80	13.5	10.5	8.45	6.02	4.73	3.92	3.38	2.71	2.22	1.88	1.00		
	1.67	43.0	25.5	18.6	1.75	14.0	10.8	8.65	6.17	4.85	4.01	3.46	2.78	2.28	1.94	1.02		
12-TLA-25	1.80	43.0	27.5	20.5	1.85	14.7	11.3	9.09	6.47	5.08	4.20	3.63	2.91	2.37	2.01	1.07		
	1.75	46.6	28.5	21.2	1.80	15.4	12.0	9.64	6.87	5.39	4.46	3.85	3.09	2.53	2.15	1.08		
	1.67	49.0	29.1	21.3	1.75	15.9	12.3	9.88	7.03	5.53	4.58	3.95	3.16	2.60	2.21	1.18		
12-TLA-35	1.80	52.9	33.9	25.3	1.85	18.1	13.9	11.2	7.97	6.25	5.18	4.47	3.58	2.91	2.48	1.29		
	1.75	57.4	35.1	26.1	1.80	19.0	14.8	11.9	8.45	6.63	5.50	4.74	3.80	3.12	2.65	1.38		
	1.67	60.3	35.8	26.2	1.75	19.6	15.1	12.2	8.66	6.80	5.63	4.86	3.90	3.20	2.72	1.44		
12-TLA-40	1.80	64.7	41.4	30.9	1.85	22.1	17.0	13.7	9.73	7.65	6.33	5.47	4.38	3.56	3.03	1.52		
	1.75	70.2	42.9	31.9	1.80	23.2	18.1	14.5	10.3	8.10	6.72	5.80	4.64	3.81	3.23	1.63		
	1.67	73.7	43.8	32.0	1.75	23.9	18.5	14.9	10.6	8.30	6.88	5.93	4.76	3.91	3.32	1.73		
12-TLA-45	1.80	72.8	46.6	34.8	1.85	24.9	19.1	15.4	11.0	8.60	7.12	6.15	4.93	4.00	3.40	1.71		
	1.75	78.9	48.2	35.8	1.80	26.1	20.3	16.3	11.6	9.13	7.56	6.52	5.22	4.29	3.64	1.83		
	1.67	82.9	49.3	36.0	1.75	26.9	20.8	16.7	11.9	9.35	7.74	6.68	5.36	4.40	3.74	1.95		
12-TLA-60	1.80	90.9	58.2	43.5	1.85	31.1	23.9	19.2	13.7	10.8	8.90	7.68	6.16	5.01	4.25	2.17		
	1.75	98.7	60.3	44.8	1.80	32.7	25.4	20.4	14.5	11.4	9.44	8.15	6.53	5.36	4.55	2.29		
	1.67	104	61.6	45.0	1.75	33.7	26.0	20.9	14.9	11.7	9.68	8.35	6.70	5.50	4.68	2.50		
12-TLA-70	1.80	115	73.3	54.7	1.85	36.7	28.3	22.7	16.2	12.7	10.5	9.08	7.28	5.92	5.03	2.66		
	1.75	124	75.9	56.4	1.80	41.2	30.0	24.1	17.2	13.5	11.2	9.63	7.71	6.33	5.38	2.71		
	1.67	131	77.6	56.6	1.75	42.4	30.8	24.7	17.6	13.8	11.4	9.87	7.91	6.50	5.53	2.96		
12-TLA-80	1.80	116	74.1	55.3	1.85	39.5	30.5	24.5	17.4	13.7	11.3	9.78	7.84	6.37	5.41	2.89		
	1.75	126	76.7	57.0	1.80	41.6	32.3	26.0	18.5	14.5	12.0	10.4	8.31	6.82	5.79	3.12		
	1.67	132	78.4	57.3	1.75	42.8	33.1	26.6	18.9	14.9	12.3	10.6	8.52	7.00	5.95	3.21		
12-TLA-90	1.80	132	84.7	63.2	1.85	45.2	34.8	28.0	19.9	15.6	13.0	11.2	8.96	7.28	6.19	3.35		
	1.75	144	87.7	65.2	1.80	47.5	36.9	29.7	21.1	16.6	13.7	11.9	9.50	7.79	6.62	3.21		
	1.67	151	89.6	65.4	1.75	49.0	37.9	30.4	21.7	17.0	14.1	12.2	9.74	8.00	6.80	3.72		
12-TLA-100	1.80	149	95.3	71.1	1.85	50.8	39.2	31.5	22.4	17.6	14.6	12.6	10.1	8.19	6.96	3.81		
	1.75	161	98.6	73.3	1.80	53.5	41.6	33.4	23.8	18.7	15.5	13.3	10.7	8.77	7.44	3.71		
	1.67	170	101	73.6	1.75	55.1	42.6	34.2	24.4	19.1	15.8	13.7	11.0	9.00	7.65	4.23		
12-TLA-110	1.80	165	106	79.0	1.85	56.5	43.5	35.0	24.9	19.6	16.2	14.0	11.2	9.10	7.73	4.29		
	1.75	179	110	81.5	1.80	59.4	46.2	37.1	26.4	20.7	17.2	14.8	11.9	9.74	8.27	4.54		
	1.67	188	112	81.8	1.75	61.2	47.3	38.0	27.1	21.3	17.6	15.2	12.2	10.0	8.50	4.65		
12-TLA-120	1.80	179	114	85.3	1.85	61.0	47.0	37.8	26.9	21.1	17.5	15.1	12.1	9.83	8.33	4.57		
	1.75	194	118	88.0	1.80	64.2	49.9	40.1	28.5	22.4	18.6	16.0	12.8	10.5	8.92	4.54		
	1.67	204	121	88.3	1.75	66.1	51.1	41.0	29.2	23.0	19.0	16.4	13.1	10.8	9.17	5.08		
12-TLA-130	1.80	196	126	93.9	1.85	67.1	51.7	41.5	29.6	23.2	19.2	16.6	13.3	10.8	9.08	5.02		
	1.75	213	130	96.8	1.80	70.6	54.9	44.1	31.4	24.6	20.4	17.6	14.1	11.6	9.73	5.00		
	1.67	224	133	97.2	1.75	72.7	56.2	45.1	32.2	25.2	20.9	18.0	14.5	11.9	10.0	5.58		
12-TLA-150	1.80	213	136	102	1.85	75.2	58.0	46.6	33.2	26.0	21.6	18.6	14.9	12.1	10.3	5.63		
	1.75	231	141	105	1.80	76.5	61.5	49.4	35.2	27.6	22.8	19.7	15.8	13.0	11.0	5.79		
	1.67	243	144	105	1.75	78.8	63.0	50.5	36.0	28.3	23.4	20.2	16.2	13.3	11.3	6.25		
12-TLA-160	1.80	246	157	117	1.85	83.9	64.7	51.9	37.0	29.0	24.0	20.8	16.6	13.5	11.5	6.28		
	1.75	266	163	121	1.80	88.2	68.6	55.0	39.2	30.8	25.5	22.0	17.6	14.5	12.3	6.54		
	1.67	280	166	121	1.75	90.9	70.0	56.4	40.2	31.5	26.1	22.5	18.1	14.9	12.6	6.96		
12-TLA-175	1.80	279	179	133	1.85	89.5	68.7	55.4	39.3	31.0	25.6	22.1	17.7	14.4	12.3	6.70		
	1.75	303	185	138	1.80	100	73.2	58.5	41.8	32.8	27.2	23.5	18.8	15.4	13.1	7.46		

Watts @ 25°C

SEC Bloc Type	End Volts /Cell	DISCHARGE DATA WATTS/CELL			End Volts /Cell	DISCHARGE DATA WATTS/CELL at 25°C											
		DISCHARGE TIME IN MINUTES				DISCHARGE TIME IN HOURS											
		15mins	30mins	45mins		1hr	1.5hr	2hr	3hr	4hr	5hr	6hr	8hr	10hr	12hr	24hr	
6-TLA-130	1.80	366	238	178	1.85	130	101	81.1	58.2	46.0	38.2	33.2	26.6	21.7	18.5	10.1	
	1.75	387	239	180	1.80	135	106	85.4	61.4	48.6	40.4	35.0	28.1	23.2	19.7	10.8	
	1.67	396	241	180	1.75	137	107	86.5	62.3	49.3	41.0	35.4	28.6	23.6	20.1	11.1	
6-TLA-200	1.80	551	359	267	1.85	195	151	122	87.1	69.1	57.3	49.8	40.0	32.7	27.8	15.1	
	1.75	581	360	271	1.80	203	159	128	92.2	72.6	60.5	52.4	42.3	34.7	29.6	16.3	
	1.67	593	364	269	1.75	205	161	130	93.3	73.9	61.4	53.2	42.9	35.4	30.2	16.6	
6-TLA-210	1.80	612	398	297	1.85	216	168	135	96.8	76.5	63.8	55.2	44.5	36.3	31.0	16.8	
	1.75	646	400	301	1.80	225	176	142	102	80.9	67.4	58.2	46.9	38.7	32.8	18.1	
	1.67	660	403	300	1.75	228	178	144	104	82.1	68.4	59.1	47.8	39.4	33.5	18.5	
6-TLA-230	1.80	642	417	312	1.85	228	176	142	102	80.4	67.0	57.9	46.7	38.1	32.4	17.6	
	1.75	679	420	315	1.80	237	185	150	107	84.8	70.5	61.1	49.2	40.7	34.5	18.9	
	1.67	693	423	315	1.75	241	187	151	109	86.2	71.9	62.0	50.2	41.3	35.2	19.3	

12-TLA-15	1.80	49.6	32.3	24.1	1.85	16.4	13.6	10.9	7.85	6.22	5.16	4.5	3.60	2.93	2.50	1.40
	1.75	52.4	32.5	24.4	1.80	18.2	14.3	11.5	8.26	6.53	5.45	4.7	3.80	3.13	2.67	1.50
	1.67	53.4	32.6	24.2	1.75	18.5	14.5	11.7	8.40	6.65	5.53	4.8	3.86	3.19	2.71	1.51
12-TLA-20	1.80	69.7	45.2	33.9	1.85	24.7	19.1	15.4	11.0	8.73	7.27	6.3	5.07	4.13	3.52	1.83
	1.75	73.6	45.6	34.3	1.80	25.6	20.0	16.2	11.7	9.21	7.68	6.6	5.36	4.40	3.75	2.00
	1.67	75.3	45.9	34.0	1.75	26.1	20.4	16.4	11.8	9.37	7.79	6.7	5.44	4.49	3.83	2.02
12-TLA-25	1.80	79.6	51.6	38.6	1.85	28.1	21.7	17.6	12.6	10.0	8.27	7.2	5.78	4.73	4.01	2.14
	1.75	83.9	52.0	39.1	1.80	29.2	22.9	18.5	13.3	10.5	8.74	7.6	6.10	5.02	4.28	2.16
	1.67	85.8	52.4	39.0	1.75	29.7	23.2	18.8	13.5	10.7	8.89	7.7	6.20	5.12	4.36	2.34
12-TLA-35	1.80	97.9	63.6	47.6	1.85	34.6	26.7	21.6	15.5	12.3	10.2	8.8	7.11	5.80	4.95	2.59
	1.75	103	64.1	48.2	1.80	36.0	28.3	22.8	16.4	12.9	10.8	9.3	7.51	6.19	5.27	2.75
	1.67	106	64.4	47.9	1.75	36.6	28.5	23.1	16.6	13.1	10.9	9.5	7.64	6.30	5.36	2.85
12-TLA-40	1.80	120	77.7	58.2	1.85	42.3	32.7	26.4	19.0	15.0	12.5	10.8	8.69	7.10	6.05	3.04
	1.75	126	78.3	58.9	1.80	43.9	34.5	27.8	20.0	15.8	13.2	11.4	9.17	7.56	6.42	3.26
	1.67	129	78.8	58.6	1.75	44.6	34.9	28.2	20.3	16.0	13.4	11.6	9.33	7.69	6.55	3.43
12-TLA-45	1.80	135	87.5	65.5	1.85	47.6	36.8	29.8	21.4	16.9	14.0	12.2	9.79	7.98	6.80	3.43
	1.75	142	88.0	66.1	1.80	49.4	38.8	31.3	22.5	17.8	14.8	12.8	10.3	8.51	7.24	3.66
	1.67	145	88.7	65.9	1.75	50.2	39.2	31.7	22.8	18.1	15.0	13.0	10.5	8.66	7.38	3.86
12-TLA-60	1.80	168	109	81.9	1.85	59.5	46.0	37.1	26.7	21.1	17.5	15.2	12.2	10.0	8.50	4.35
	1.75	178	110	82.7	1.80	61.9	48.5	39.2	28.1	22.2	18.5	16.0	12.9	10.6	9.05	4.58
	1.67	182	111	82.4	1.75	62.9	49.0	39.7	28.6	22.6	18.8	16.3	13.1	10.8	9.22	4.96
12-TLA-70	1.80	213	138	103	1.85	70.2	54.4	43.9	31.6	24.9	20.7	18.0	14.5	11.8	10.0	5.34
	1.75	223	139	104	1.80	78.0	57.3	46.3	33.3	26.3	21.9	18.9	15.2	12.6	10.7	5.42
	1.67	229	140	104	1.75	79.1	58.1	46.9	33.8	26.7	22.1	19.2	15.5	12.8	10.9	5.88
12-TLA-80	1.80	215	139	104	1.85	75.6	58.6	47.3	33.9	26.8	22.3	19.3	15.6	12.7	10.8	5.80
	1.75	227	140	105	1.80	78.8	61.7	49.8	35.8	28.3	23.5	20.4	16.4	13.5	11.5	6.24
	1.67	231	141	105	1.75	79.8	62.4	50.5	36.3	28.7	23.9	20.7	16.7	13.8	11.7	6.38
12-TLA-90	1.80	244	159	119	1.85	86.5	67.0	54.0	38.8	30.6	25.5	22.1	17.8	14.5	12.4	6.72
	1.75	259	160	120	1.80	90.0	70.5	56.9	40.9	32.4	26.8	23.3	18.8	15.5	13.2	6.42
	1.67	264	161	120	1.75	91.4	71.4	57.7	41.6	32.8	27.3	23.7	19.1	15.7	13.4	7.39
12-TLA-100	1.80	276	179	134	1.85	97.2	75.4	60.8	43.7	34.5	28.7	24.9	20.0	16.3	13.9	7.64
	1.75	290	180	135	1.80	101	79.4	64.1	46.0	36.4	30.3	26.1	21.1	17.4	14.8	7.42
	1.67	298	182	135	1.75	103	80.3	64.9	46.7	36.9	30.7	26.6	21.5	17.7	15.1	8.40
12-TLA-110	1.80	305	199	149	1.85	108	83.7	67.6	48.5	38.4	31.9	27.6	22.3	18.1	15.5	8.61
	1.75	322	201	150	1.80	113	88.2	71.2	51.1	40.4	33.7	29.1	23.5	19.3	16.4	9.08
	1.67	329	202	150	1.75	114	89.2	72.1	51.9	41.1	34.2	29.6	23.9	19.7	16.8	9.23
12-TLA-120	1.80	331	214	161	1.85	117	90.4	73.0	52.4	41.4	34.4	29.9	24.0	19.6	16.7	9.17
	1.75	349	215	162	1.80	122	95.2	76.9	55.2	43.7	36.4	31.5	25.3	20.8	17.7	9.08
	1.67	357	218	162	1.75	123	96.3	77.8	56.0	44.3	36.9	32.0	25.7	21.3	18.1	10.1
12-TLA-130	1.80	363	237	177	1.85	128	99.5	80.2	57.6	45.5	37.8	32.8	26.3	21.5	18.2	10.1
	1.75	383	237	179	1.80	134	105	84.6	60.8	48.0	40.0	34.6	27.9	23.0	19.4	10.0
	1.67	392	239	178	1.75	136	106	85.6	61.7	48.7	40.6	35.1	28.4	23.4	19.7	11.1
12-TLA-150	1.80	394	255	192	1.85	144	112	90.0	64.6	51.0	42.6	36.8	29.6	24.1	20.6	11.3
	1.75	416	257	194	1.80	145	117	94.8	68.2	53.8	44.7	38.7	31.1	25.8	21.9	11.6
	1.67	425	259	192	1.75	147	119	95.8	69.0	54.6	45.4	39.3	31.8	26.2	22.3	12.4
12-TLA-160	1.80	455	295	220	1.85	161	124	100	72.1	56.9	47.3	41.1	33.0	26.9	23.0	12.6
	1.75	479	297	223	1.80	167	131	106	75.9	60.0	50.0	43.3	34.8	28.8	24.4	13.1
	1.67	490	299	221	1.75	170	132	107	77.1	60.9	50.7	43.9	35.5	29.3	24.8	13.8

DIMENSIONS

Dimensions, Weights, Data

SEC Bloc Type	Nominal Capacity(Ah) C/10 1.80vpc	Short Circuit Amps	Internal Resistance mΩ	Maximum Charge Current(A)	Female Terminal Type	Battery		Overall Battery Dimensions			
						Weight		Length		Width	
kg	lbs	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch
6-TLA-130	117	3200	3.00	23	FT 4	17.0	37.5	196	7.72	170	6.69
6-TLA-200	175	4600	2.40	35	FT 5	28.7	63.3	306	12.0	168	6.61
6-TLA-210	195	5000	2.30	39	FT 5	30.2	66.6	323	12.7	178	7.01
6-TLA-230	205	5500	2.20	41	FT 5	33.0	72.8	243	9.57	188	7.40
12-TLA-15	15.8	650	14.0	3	FT 2	5.40	11.9	180	7.09	76	2.99
12-TLA-20	22.2	940	12.0	4	FT 3	8.00	17.6	176	6.93	166	6.54
12-TLA-25	25.3	1220	8.20	5	FT 3	8.10	17.9	165	6.50	125	4.92
12-TLA-35	31.2	1500	7.30	6	FT 3	10.5	23.1	196	7.72	131	5.16
12-TLA-40	38.1	1600	6.70	8	FT 3	13.3	29.3	196	7.72	166	6.54
12-TLA-45	42.9	1700	6.00	9	FT 3	14.5	32.0	196	7.72	166	6.54
12-TLA-60	53.6	1900	5.60	11	FT 3	18.6	41.0	230	9.06	138	5.43
12-TLA-70	63.3	2000	5.50	13	FT 3	21.3	47.0	350	13.8	167	6.57
12-TLA-80	68.2	2100	5.40	14	FT 3	22.0	48.5	259	10.2	169	6.65
12-TLA-90	77.9	2400	4.50	16	FT 3	24.0	52.9	259	10.2	169	6.65
12-TLA-100	87.7	2650	4.30	18	FT 4	26.8	59.1	307	12.1	170	6.69
12-TLA-110	97.4	2900	3.90	19	FT 4	30.5	67.2	328	12.9	172	6.77
12-TLA-120	105	3000	3.40	21	FT 4	31.2	68.8	328	12.9	172	6.77
12-TLA-130	116	3300	3.10	23	FT 4	36.0	79.4	342	13.5	173	6.81
12-TLA-150	130	4200	2.90	26	FT 5	42.5	93.7	342	13.5	173	6.81
12-TLA-160	145	4500	2.80	29	FT 5	44.5	98.1	483	19.0	170	6.69
12-TLA-175	154	4500	2.60	31	FT 5	53.4	118	530	20.9	209	8.23
12-TLA-200	174	4700	2.30	35	FT 5	56.3	124	530	20.9	209	8.23
12-TLA-220	193	5400	2.20	39	FT 5	61.5	136	522	20.6	240	9.45
12-TLA-250	222	6157	2.00	44	FT 5	66.0	146	522	20.6	269	10.6
12-TLA-275	240	6700	1.90	48	FT 5	76.0	168	522	20.6	269	10.6
											8.86

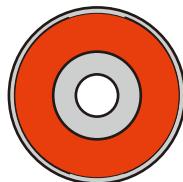
Actual dimension may be ± 5% from the figure shown.

FT3 = 6 mm Female Terminal = 14mm with M6 Bolt

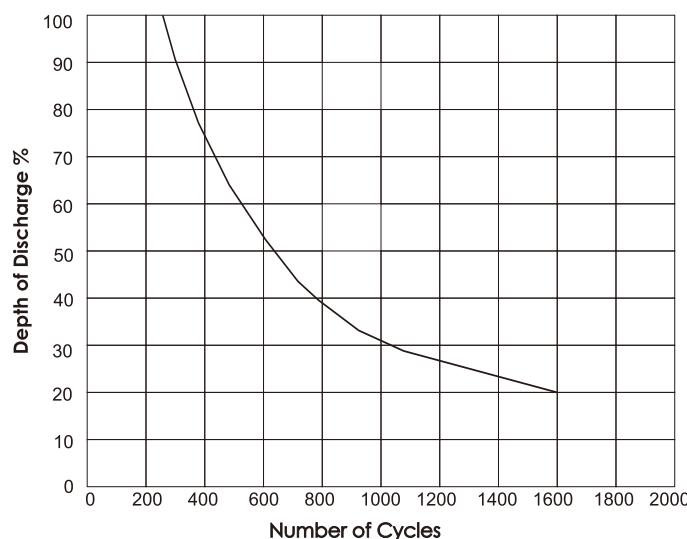
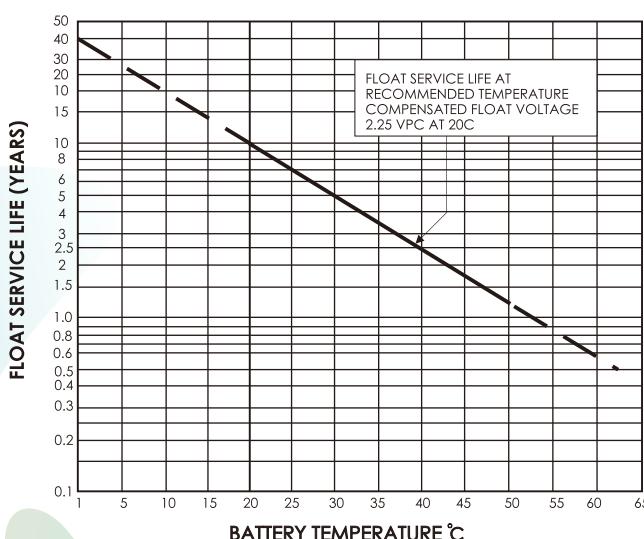
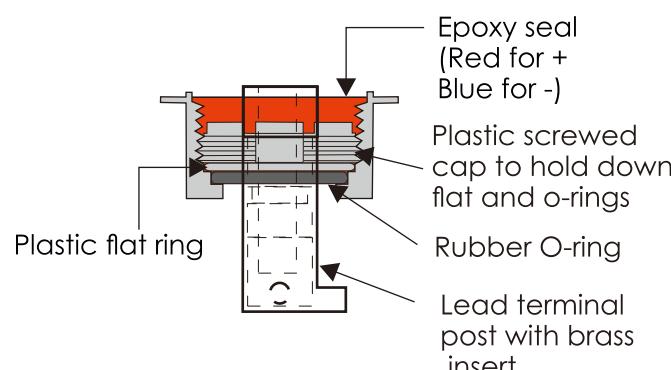
FT4 = 6 mm Female Terminal = 16mm with M6 Bolt

FT5 = 8 mm Female Terminal = 16mm with M8 Bolt

Female terminal inserts



TYPICAL TRIPLE SEAL DETAIL



INFORMATION



CELLYTE 6-12 TLA Flat Plate AGM Batteries

SEC batteries have been used in the industrial battery market for over 30 years. SEC's high quality, 10 year design life, reliable AGM technology sealed valve regulated lead acid batteries have a proven record and we have now extended our range of 12TLA batteries to include larger sizes. New features include handles for easy lifting, brass insert terminals for higher current capacity and reduce damage during transportation, designed to comply with EUROBAT (IEC 60896-2), IEEE, JIS and BS 6290 Part 4, using UL certified components.

* Valve Regulated (Sealed) Construction

The battery is of the AGM (absorbed glass mat technology), valve regulated (sealed) VRLA rechargeable type. The acid is immobilized in non woven glass separator. All the acid is absorbed in this manner and it provides a safe non-spillable battery.

* Gas Recombination System

The gasses generated in the normal charge/discharge use of a rechargeable battery are internally recombined during normal operating parameters. In fact, in normal operational use, more than 99% of the gases generated are recombined.

* Maintenance

The battery has been designed and built such that no addition of electrolyte is needed during the life of the battery. There is no requirement to add water or take time consuming specific gravity readings.

* Battery Life - Float Service

The SEC TLA battery is suitable for float (standby) service with life of 10 years at 20-25°C.

* Safety Valve

If excess pressure builds up within the battery, the safety valve automatically opens releasing the gas at 1-3 p.s.i then automatically closes. The valve does not allow the ingress of oxygen which is harmful to the efficient operation and life of the battery.

* Temperature Range for Normal Operation

The SEC battery has a wide operating temperature range. However for maximum life and safety, continuous operation over 45°C is not recommended for any VRLA battery.

* Grid Design and Paste Formulation

SEC has optimized the grid design and paste formulation to maximize the opening and storage life of the battery. This optimized design provides the following advantages:

- Excellent recovery from deep discharge or over discharge
- Low self discharge to ensure maximum storage time when not in use
- Excellent cycling capability
- Adequate safety margins in tough operating conditions

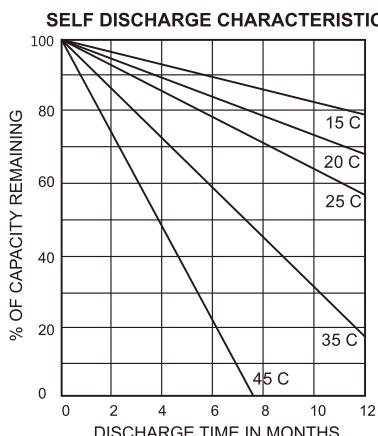
* Use In Any Position

The SEC TLA battery is designed to use in horizontal and vertical positions.

*Central Manifold Gassing System

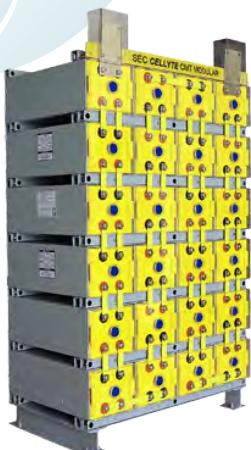
The 12-TLA-60, 12-TLA-90, and 12-TLA-110 have a central manifold gassing systems, which incorporates a sintered PP flame arrestor membrane so that they can be used in enclosed cabinets, and any gases vented and dispersed safely to the outside environment. With the flame retardant V-0 case and cover material, batteries are available to meet BS 6290 Part 4.

These features make the SEC CELLYTE 6-12 TLA Flat Plate AGM batteries suitable for standby float applications.



Battery Float Charging (Temperature compensation)	
Temperature Deg.C	Float Charge Volts/Cell
10	2.300
15	2.275
20	Baseline
25	2.225
30	2.200
35	2.175

SEC ALL PRODUCT RANGE



CELLYTE 2CMT/G
Modular Steel Rack



CELLYTE 2TLAM/G
Tubular Steel Rack



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



CELLYTE 12PLF & 12PLT Range



CELLYTE 12FTA/G Range



CELLYTE 6-12TUA Range



CELLYTE 6-12TSG Range



CELLYTE 6-12TLA Range



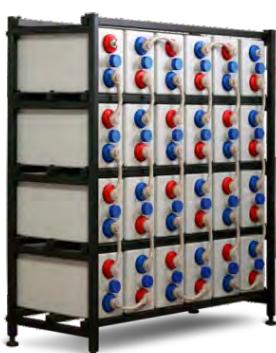
CELLYTE 6-12TLG Range



MICROLYTE +Plus Range



MICROLYTE Red Top Range



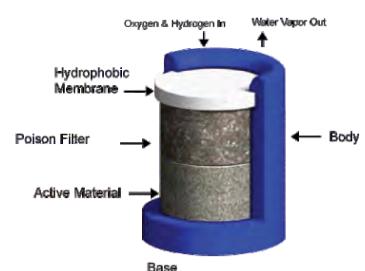
CELLYTE 2ETG OPzV Range
Tubular Steel Rack



CELLYTE TRA Range



Nickel Cadmium Range
Pocket Plate flooded and VR



Typical VRLA catalyst

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