



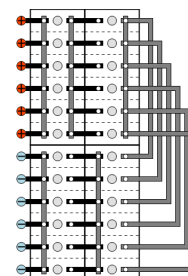
LBE1660P - Cell data sheet

Classification

Brand	Alcad
Cell type	LBE1660P
Cell P/N	310548781
Capacity at 5 hours rate	1.660 Ah
IEC Designation	KL1660P
According to IEC 60623	



Wiring principle



Crosswise

Physical data

Overall height	410 mm	Weight per cell	69,8 Kg
Cell height	400 mm		
Width	195 mm		
Length	523 mm		

Construction

Container material	Polypropylene	No. of terminals/polarity	6
Separator type	Grid	Terminal material	Steel
Connection torque	30,0 +/- 3,0 Nm	Vent type	
Terminal size	M10 SW 16 mm		
		Handle	Yes

Plates

Positive		Negative	
Type of plates	Pocket	Type of plates	Pocket

Electrolyte

Electrolyte type: Renewal	E13	Max/Min	50 mm
Electrolyte type: Initial	E22	Vent oil quantity	
Electrolyte per cell: Liquid	17,8 liters		

Connection

Cable area of internal connection cables	70 mm ²	End-lug (and external cable)	50 mm ²
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Charging

Float voltage	1,42 V/Cell	High rate voltage (min)	1,47 V/Cell
Single-level voltage	1,43 V/Cell		

Resistance/Short circuit

Internal resistance	0,10 mOhm	Short circuit current	13809 A
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Performance data

Current discharge

After prolonged float charge of fully charged cells. Available amperes at +20°C +/- 5°C (+68°F +/- 9°F)

V/Cell	10h	8h	5h	3h	2h	1,5h	1h	30m	20m	15m	10m	5m	1m	30s	5s	1s
1	171	211	332	531	709	853	1.093	1.410	1.581	1.698	1.825	2.093	2.324	2.490	2.988	3.211
1,05	170	211	328	515	642	733	915	1.193	1.318	1.367	1.518	1.733	1.869	2.043	2.454	2.663
1,1	166	204	313	433	544	627	739	929	1.003	1.100	1.211	1.272	1.523	1.660	2.021	2.216
1,14	162	191	275	375	450	499	575	735	787	817	919	1.068	1.241	1.357	1.689	1.869
1,16	152	175	238	322	384	416	472	618	688	743	814	974	1.132	1.238	1.540	1.705

Power discharge

Available power (W), after prolonged float charged of fully charged cells at +20°C +/- 5°C (+68°F +/- 9°F)

V/Cell	10h	8h	5h	3h	2h	1,5h	1h	30m	20m	15m	10m	5m	1m	30s	5s	1s
1	198	242	371	568	741	882	1.118	1.424	1.591	1.705	1.829	2.093	2.324	2.490	2.988	3.211
1,05	197	243	373	567	696	788	975	1.261	1.390	1.440	1.597	1.820	1.963	2.145	2.577	2.796
1,1	194	237	361	490	610	699	821	1.026	1.106	1.212	1.333	1.399	1.675	1.826	2.223	2.438
1,14	190	224	321	434	518	573	658	840	898	932	1.048	1.218	1.415	1.547	1.926	2.131
1,16	179	205	280	377	448	484	549	718	798	862	945	1.130	1.314	1.436	1.787	1.978



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Kt Factor

Current discharge

After prolonged float charge of fully charged cells. Kt factor at +20°C +/- 5°C (+68°F +/- 9°F)

V/Cell	10h	8h	5h	3h	2h	1,5h	1h	30m	20m	15m	10m	5m	1m	30s	5s	1s
1	9,7	7,85	5,00	3,12	2,34	1,95	1,52	1,18	1,05	0,98	0,91	0,79	0,71	0,67	0,56	0,52
1,05	9,8	7,88	5,05	3,23	2,58	2,26	1,81	1,39	1,26	1,21	1,09	0,96	0,89	0,81	0,68	0,62
1,1	10,0	8,16	5,31	3,83	3,05	2,65	2,25	1,79	1,66	1,51	1,37	1,31	1,09	1,00	0,82	0,75
1,14	10,2	8,68	6,04	4,42	3,69	3,33	2,89	2,26	2,11	2,03	1,81	1,55	1,34	1,22	0,98	0,89
1,16	10,9	9,5	6,98	5,15	4,32	3,99	3,52	2,69	2,41	2,23	2,04	1,70	1,47	1,34	1,08	0,97

Power discharge

Kt factor power, after prolonged float charged of fully charged cells at +20°C +/- 5°C (+68°F +/- 9°F)

V/Cell	10h	8h	5h	3h	2h	1,5h	1h	30m	20m	15m	10m	5m	1m	30s	5s	1s
1	8,38	6,87	4,47	2,92	2,24	1,88	1,49	1,17	1,04	0,97	0,91	0,79	0,71	0,67	0,56	0,52
1,05	8,41	6,83	4,45	2,93	2,38	2,11	1,70	1,32	1,19	1,15	1,04	0,91	0,85	0,77	0,64	0,59
1,1	8,55	7,01	4,60	3,39	2,72	2,37	2,02	1,62	1,50	1,37	1,24	1,19	0,99	0,91	0,75	0,68
1,14	8,71	7,41	5,17	3,82	3,20	2,90	2,52	1,98	1,85	1,78	1,58	1,36	1,17	1,07	0,86	0,78
1,16	9,27	8,09	5,94	4,41	3,71	3,43	3,03	2,31	2,08	1,93	1,76	1,47	1,26	1,16	0,93	0,84