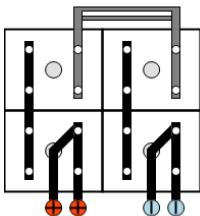




LCE330P - Cell data sheet

Classification

Brand	Alcad		Wiring principle	Normal
Cell type	LCE330P			
Cell P/N	310550351			
Capacity at 5 hours rate	330 Ah			
IEC Designation	KL330P			
According to IEC 60623				

Physical data

Overall height	413 mm	Weight per cell	15,9 Kg
Cell height	405 mm		
Width	196 mm		
Length	126 mm		

Construction

Container material	Polypropylene	No. of terminals/polarity	2
Separator type	Grid	Terminal material	Steel
Connection torque	30,0 +/- 3,0 Nm	Vent type	
Terminal size	M10 SW 16 mm	Handle	No

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	4,8 liters		

Connection

Cable area of internal connection cables	35 mm ²	End-lug (and external cable)	35 mm ²
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LCE330P - Cell data sheet

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	0,50 mOhm	Short circuit current	2745 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	34,0	42,0	66,0	106	141	170	217	280	314	338	363	416	462	495	594	638
1,05	33,7	41,9	65,3	102	128	146	182	237	262	272	302	345	372	406	488	529
1,1	33,0	40,5	62,1	86,1	108	125	147	185	199	219	241	253	303	330	402	440
1,14	32,3	38,0	54,7	74,6	89,5	99,2	114	146	156	162	183	212	247	270	336	372
1,16	30,3	34,7	47,3	64,1	76,4	82,6	93,8	123	137	148	162	194	225	246	306	339

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	39,4	48,0	73,8	113	147	175	222	283	316	339	364	416	462	495	594	638
1,05	39,2	48,3	74,2	113	138	157	194	251	276	286	317	362	390	426	512	556
1,1	38,6	47,1	71,7	97,4	121	139	163	204	220	241	265	278	333	363	442	485
1,14	37,9	44,5	63,9	86,3	103	114	131	167	179	185	208	242	281	308	383	424
1,16	35,6	40,8	55,6	74,9	89,0	96,2	109	143	159	171	188	225	261	285	355	393



LCE330P - Cell data sheet

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