



LCE360P - Cell data sheet

Classification

Brand	Alcad		Wiring principle	Normal
Cell type	LCE360P			
Cell P/N	311034351			
Capacity at 5 hours rate	360 Ah			
IEC Designation	KL360P			
According to IEC 60623				

Wiring principle

Normal

Physical data

Overall height	413 mm	Weight per cell	16,6 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	4,4 liters		

Connection

Cable area of internal connection cables	35 mm ²	End-lug (and external cable)	35 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	0,46 mOhm	Short circuit current	2995 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	37,1	45,9	72,0	115	154	185	237	306	343	368	396	454	504	540	648	696
1,05	36,8	45,7	71,2	112	139	159	198	259	286	297	329	376	405	443	532	578
1,1	36,0	44,1	67,8	93,9	118	136	160	201	218	239	263	276	330	360	438	481
1,14	35,2	41,5	59,6	81,4	97,6	108	125	159	171	177	199	232	269	294	366	405
1,16	33,0	37,8	51,6	69,9	83,3	90,1	102	134	149	161	177	211	246	268	334	370

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	43,0	52,4	80,5	123	161	191	242	309	345	370	397	454	504	540	648	696
1,05	42,8	52,7	80,9	123	151	171	211	273	301	312	346	395	426	465	559	606
1,1	42,1	51,3	78,2	106	132	152	178	222	240	263	289	303	363	396	482	529
1,14	41,3	48,6	69,7	94,2	112	124	143	182	195	202	227	264	307	335	418	462
1,16	38,8	44,5	60,7	81,7	97,2	105	119	156	173	187	205	245	285	311	388	429



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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