



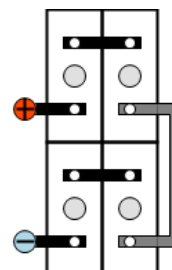
LCE125P - Cell data sheet

Classification

Brand	Alcad
Cell type	LCE125P
Cell P/N	311033851
Capacity at 5 hours rate	125 Ah
IEC Designation	KL125P
According to IEC 60623	



Wiring principle Normal



Physical data

Overall height	357 mm	Weight per cell	7,4 Kg
Cell height	349 mm		
Width	192 mm		
Length	68 mm		

Construction

Container material	Polypropylene	No. of terminals/polarity	1
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	2,1 liters		

Connection

Cable area of internal connection cables	35 mm ²	End-lug (and external cable)	25 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	1,28 mOhm	Short circuit current	1225 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	12,6	15,8	25,0	40,0	54,3	66,0	84,9	108	122	130	137	165	188	202	257	285
1,05	12,5	15,6	24,5	39,2	48,0	56,4	69,9	91,8	104	111	121	130	151	167	212	233
1,1	12,4	15,2	23,3	33,3	42,1	49,4	57,8	74,1	81,6	82,8	91,2	108	122	137	172	192
1,14	12,0	14,1	20,5	28,7	35,4	39,6	45,3	57,2	65,2	65,4	74,8	80,5	100	111	142	160
1,16	11,3	12,9	17,8	24,6	30,2	33,0	37,2	48,1	57,0	59,5	66,2	73,4	91,2	101	129	146

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	14,6	18,0	28,0	42,8	56,8	68,2	86,8	110	123	131	138	165	188	202	257	285
1,05	14,6	18,0	27,8	43,1	52,0	60,6	74,6	97,1	110	117	127	137	159	175	222	245
1,1	14,5	17,6	26,9	37,7	47,2	55,1	64,2	81,8	90,0	91,3	100	118	135	151	189	211
1,14	14,1	16,5	24,0	33,2	40,8	45,4	51,9	65,4	74,4	74,6	85,3	91,8	114	126	162	182
1,16	13,2	15,1	20,9	28,8	35,3	38,4	43,3	55,9	66,1	69,1	76,9	85,2	106	117	150	169



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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	9,9	7,92	5,00	3,12	2,30	1,90	1,47	1,15	1,02	0,96	0,91	0,76	0,66	0,62	0,49	0,44
1,05	10,0	8,00	5,10	3,19	2,60	2,22	1,79	1,36	1,20	1,12	1,03	0,96	0,83	0,75	0,59	0,54
1,1	10,1	8,24	5,36	3,75	2,97	2,53	2,16	1,69	1,53	1,51	1,37	1,16	1,02	0,91	0,73	0,65
1,14	10,4	8,87	6,10	4,36	3,53	3,16	2,76	2,18	1,92	1,91	1,67	1,55	1,25	1,13	0,88	0,78
1,16	11,1	9,7	7,03	5,07	4,13	3,79	3,36	2,60	2,19	2,10	1,89	1,70	1,37	1,24	0,97	0,86

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	8,54	6,93	4,47	2,92	2,20	1,83	1,44	1,14	1,02	0,96	0,91	0,76	0,66	0,62	0,49	0,44
1,05	8,59	6,94	4,49	2,90	2,40	2,06	1,68	1,29	1,14	1,07	0,98	0,91	0,79	0,71	0,56	0,51
1,1	8,63	7,09	4,64	3,31	2,65	2,27	1,95	1,53	1,39	1,37	1,24	1,06	0,93	0,83	0,66	0,59
1,14	8,88	7,57	5,22	3,77	3,06	2,75	2,41	1,91	1,68	1,67	1,47	1,36	1,10	0,99	0,77	0,69
1,16	9,45	8,27	5,98	4,34	3,54	3,26	2,89	2,24	1,89	1,81	1,63	1,47	1,18	1,07	0,83	0,74