



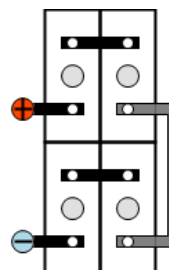
MC130P - Cell data sheet

Classification

Brand	Alcad
Cell type	MC130P
Cell P/N	310449851
Capacity at 5 hours rate	130 Ah
IEC Designation	KM130P
According to	IEC 60623



Wiring principle Normal



Physical data

Overall height	357 mm		
Cell height	349 mm		
Width	192 mm	Weight per cell	7,9 Kg
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	70 mm ²	End-lug (and external cable)	70 mm ²
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Charging

Float voltage	1,4 V/Cell	High rate voltage (min)	1,45 V/Cell
Single-level voltage	1,43 V/Cell		

Resistance/Short circuit

Internal resistance	0,60 mOhm	Short circuit current	2213 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	13,2	16,4	26,0	42,6	62,2	77,2	109	149	173	188	215	256	350	397	482	515
1,05	13,1	16,3	25,8	42,0	58,4	74,5	98,2	127	149	162	181	212	301	341	411	440
1,1	12,9	16,0	25,4	39,1	54,5	65,8	80,1	101	124	130	148	179	254	286	340	393
1,14	12,6	15,6	24,4	36,8	46,9	53,3	61,4	75,6	86,0	93,6	108	135	191	214	249	258
1,16	12,2	15,0	22,5	34,1	39,4	42,2	51,1	64,6	73,5	77,2	86,5	108	160	180	204	218

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	15,7	19,4	30,3	47,6	66,2	81,0	112	151	175	189	216	256	350	397	482	515
1,05	15,6	19,3	30,2	47,0	64,0	80,9	105	134	158	171	191	223	317	358	432	462
1,1	15,4	19,0	29,9	44,8	61,5	73,9	89,3	112	136	143	163	197	279	315	374	432
1,14	15,0	18,6	28,8	42,8	54,2	61,4	70,5	86,4	98,2	107	123	154	217	244	284	294
1,16	14,6	17,8	26,6	40,0	46,1	49,2	59,5	75,1	85,3	89,6	100	125	186	209	237	253



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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	9,8	7,94	5,00	3,05	2,09	1,68	1,19	0,87	0,75	0,69	0,60	0,51	0,37	0,33	0,27	0,25
1,05	9,9	8,00	5,04	3,10	2,23	1,74	1,32	1,03	0,87	0,80	0,72	0,61	0,43	0,38	0,32	0,30
1,1	10,1	8,12	5,12	3,32	2,39	1,97	1,62	1,29	1,05	1,00	0,88	0,72	0,51	0,45	0,38	0,33
1,14	10,3	8,33	5,32	3,53	2,77	2,44	2,12	1,72	1,51	1,39	1,21	0,96	0,68	0,61	0,52	0,50
1,16	10,6	8,67	5,78	3,82	3,30	3,08	2,54	2,01	1,77	1,68	1,50	1,20	0,81	0,72	0,64	0,60

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	8,26	6,72	4,28	2,73	1,96	1,61	1,16	0,86	0,74	0,69	0,60	0,51	0,37	0,33	0,27	0,25
1,05	8,32	6,75	4,30	2,77	2,03	1,61	1,23	0,97	0,82	0,76	0,68	0,58	0,41	0,36	0,30	0,28
1,1	8,45	6,85	4,35	2,90	2,11	1,76	1,46	1,16	0,95	0,91	0,80	0,66	0,47	0,41	0,35	0,30
1,14	8,66	7,01	4,51	3,04	2,40	2,12	1,84	1,50	1,32	1,22	1,06	0,84	0,60	0,53	0,46	0,44
1,16	8,90	7,29	4,89	3,25	2,82	2,64	2,19	1,73	1,52	1,45	1,29	1,04	0,70	0,62	0,55	0,51