



## XHP130 - Cell data sheet

### Classification

Brand	Alcad
Cell type	XHP130
Cell P/N	210684
Capacity at 5 hours rate	130 Ah
IEC Designation	KH130P
According to IEC 60623	



### Physical data

Overall height	339 mm		
Width	166 mm	Weight per cell	7,0 Kg
Length	87 mm	Block length - 2 cells	
Block length - 3 cells		Block length - 4 cells	
Block length - 5 cells		Block length - 6 cells	
Block length - 7 cells		Block length - 8 cells	
Block length - 9 cells		Block length - 10 cells	

### Construction

Container material	Polypropylene	No. of terminals/polarity	1
Separator type	Microporous	Terminal material	Copper
Connection torque	15,0 +/- 2,0 Nm	Vent type	flame arresting vent
Terminal size	M12		

### Plates

Positive		Negative	
Type of plates	Sintered	Type of plates	Plastic bonded

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### Electrolyte

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Electrolyte type: Renewal		Max/Min	60 mm
Electrolyte type: Initial	E4	Vent oil quantity	
Electrolyte per cell: Liquid	1,5 liters		

### Connection

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Cable area	185 mm <sup>2</sup>
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### Charging

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Float voltage	1,4 V/Cell	High rate voltage (min)	1,45 V/Cell
Single-level voltage	1,41 V/Cell		

### Resistance/Short circuit

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Internal resistance	0,31 mOhm	Short circuit current	4658 A
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### Performance data

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#### Stationary performance

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	13,3	16,5	26,0	43,0	64,0	85,0	125	236	333	382	464	542	722	812	1 000	1 083
1,05	13,2	16,4	25,8	42,8	63,7	83,9	124	228	295	333	382	448	619	722	867	929
1,1	13,0	16,2	25,5	41,9	61,9	81,2	117	183	224	250	289	351	500	591	722	765
1,14	12,8	15,9	25,1	40,1	58,8	76,0	102	144	173	197	228	277	419	500	619	684

#### Engine starting performance

For a fully charged cell by a constant current charge according to IEC 60623 standard at +20°C +/- 5°C (+68°F +/- 9°F), 30 seconds discharge down to 0,85 V

Available amperes	1 390 A
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