



# XHP170 - Cell data sheet

## Classification

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Brand	Alcad
Cell type	XHP170
Cell P/N	210686
Capacity at 5 hours rate	170 Ah
IEC Designation	KH170P
According to IEC 60623	



## Physical data

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Overall height	339 mm	Weight per cell	9,7 Kg
Width	166 mm	Block length - 2 cells	
Length	117 mm	Block length - 4 cells	
Block length - 3 cells		Block length - 6 cells	
Block length - 5 cells		Block length - 8 cells	
Block length - 7 cells		Block length - 10 cells	
Block length - 9 cells			

## Construction

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

## Plates

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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	2,2 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	0,24 mOhm	Short circuit current	6092 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	17,4	21,6	34,0	56,3	83,7	111	163	309	436	500	607	708	944	1 062	1 308	1 417
1,05	17,2	21,4	33,7	55,9	83,3	110	162	298	386	436	500	586	810	944	1 133	1 214
1,1	17,0	21,1	33,3	54,8	81,0	106	153	239	293	327	378	459	654	773	944	1 000
1,14	16,8	20,8	32,8	52,5	76,9	99,4	133	189	227	258	298	362	548	654	810	895

#### 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	1 880 A
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