



## XHP115 - Cell data sheet

### Classification

Brand	Alcad
Cell type	XHP115
Cell P/N	210683
Capacity at 5 hours rate	115 Ah
IEC Designation	KH115P
According to IEC 60623	



### Physical data

Overall height	339 mm	Weight per cell	6,3 Kg
Width	166 mm	Block length - 2 cells	
Length	78 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

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

Electrolyte type: Renewal		Max/Min	60 mm
Electrolyte type: Initial	E4	Vent oil quantity	
Electrolyte per cell: Liquid	1,3 liters		

### Connection

Cable area	95 mm <sup>2</sup>
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### Charging

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

### Resistance/Short circuit

Internal resistance	0,35 mOhm	Short circuit current	4121 A
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### Performance data

#### 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
<b>1</b>	11,8	14,6	23,0	38,1	56,6	75,2	111	209	295	338	411	479	639	719	885	958
<b>1,05</b>	11,6	14,5	22,8	37,8	56,4	74,2	110	202	261	295	338	397	548	639	767	821
<b>1,1</b>	11,5	14,3	22,6	37,1	54,8	71,9	104	162	198	221	256	311	442	523	639	676
<b>1,14</b>	11,4	14,1	22,2	35,5	52,0	67,2	89,8	128	153	174	202	245	371	442	548	605

#### 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	1 250 A
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