



## VTX 1 M 100 - Cell data sheet

### Classification

Brand	Alcad
Cell type	VTX 1 M 100
Cell P/N	31-05611-8*
Capacity at 5 hours rate	100 Ah
IEC Designation	KGM100P
According to IEC 62259	



### Physical data

Overall height	421 mm		
Width	195 mm	Weight per cell	6,3 Kg
Length		Block length - 2 cells	
Block length - 3 cells		Block length - 4 cells	186 mm
Block length - 5 cells	230 mm	Block length - 6 cells	273 mm
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	Felt	Terminal material	Steel
Connection torque	20,0 +/- 2,0 Nm	Vent type	low pressure flame arresting vent
Terminal size	M8		

### Plates

Positive		Negative	
Type of plates	Maintenance Free Pocket	Type of plates	Maintenance Free Pocket

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### Electrolyte

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Electrolyte type: Renewal	E13	Max/Min	50 mm
Electrolyte type: Initial	E22	Vent oil quantity	
Electrolyte per cell: Liquid	1,4 liters		

### Connection

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Cable area	35 mm <sup>2</sup>
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### Charging

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Float voltage	1,42 V/Cell	High rate voltage (min)	1,45 V/Cell
Single-level voltage	1,42 V/Cell		

### Resistance/Short circuit

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Internal resistance	1,14 mOhm	Short circuit current	1075 A
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