



## VTX 1 M 590 - Cell data sheet

### Classification

Brand	Alcad
Cell type	VTX 1 M 590
Cell P/N	31-05628-8*
Capacity at 5 hours rate	590 Ah
IEC Designation	KGM590P
According to IEC 62259	



### Physical data

Overall height	405 mm		
Width	195 mm	Weight per cell	34,5 Kg
Length	268 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	3
Separator type	Felt	Terminal material	Steel
Connection torque	30,0 +/- 3,0 Nm	Vent type	low pressure flame
Terminal size	M10		arresting vent

### Plates

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

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Version: 1.4, Last updated on 01/2015

P 1/2



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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	8,7 liters		

### Connection

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Cable area	70 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	0,19 mOhm	Short circuit current	6343 A
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