



VTX 1 M 420 - Cell data sheet

Classification

Brand	Alcad
Cell type	VTX 1 M 420
Cell P/N	31-05624-8*
Capacity at 5 hours rate	420 Ah
IEC Designation	KGM420P
According to IEC 62259	



Physical data

Overall height	421 mm	Weight per cell	23,5 Kg
Width	195 mm	Block length - 2 cells	352 mm
Length		Block length - 4 cells	
Block length - 3 cells	522 mm	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	2
Separator type	Felt	Terminal material	Steel
Connection torque	30,0 +/- 3,0 Nm	Vent type	low pressure flame arresting vent
Terminal size	M10		

Plates

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

ALCAD confidential and proprietary. The data herein given are for information purposes only and are not binding on ALCAD. They may be modified without prior notice. Please contact an ALCAD representative in order to obtain confirmation of the above data.

Visit our website at www.alcad.com

Version: 1.4, Last updated on 01/2015

P 1/2



VTX 1 M 420 - Cell data sheet

Electrolyte

Electrolyte type: Renewal	E13	Max/Min	50 mm
Electrolyte type: Initial	E22	Vent oil quantity	
Electrolyte per cell: Liquid	5,8 liters		

Connection

Cable area	120 mm ²
------------	---------------------

Charging

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

Resistance/Short circuit

Internal resistance	0,27 mOhm	Short circuit current	4515 A
---------------------	-----------	-----------------------	--------