



VTX 1 L 47 - Cell data sheet

Classification

Brand	Alcad
Cell type	VTX 1 L 47
Cell P/N	31-05571-8*
Capacity at 5 hours rate	47 Ah
IEC Designation	KGL47P
According to IEC 62259	



Physical data

Overall height	270 mm		
Width	123 mm	Weight per cell	2,5 Kg
Length		Block length - 2 cells	
Block length - 3 cells		Block length - 4 cells	191 mm
Block length - 5 cells	237 mm	Block length - 6 cells	283 mm
Block length - 7 cells	329 mm	Block length - 8 cells	375 mm
Block length - 9 cells	421 mm	Block length - 10 cells	467 mm

Construction

Container material	Polypropylene	No. of terminals/polarity	1
Separator type	Felt	Terminal material	Steel
Connection torque	11,0 +/- 1,1 Nm	Vent type	low pressure flame arresting vent
Terminal size	M6		

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 L 47 - Cell data sheet

Electrolyte

Electrolyte type: Renewal	E13	Max/Min	35 mm
Electrolyte type: Initial	E22	Vent oil quantity	
Electrolyte per cell: Liquid	0,6 liters		

Connection

Cable area	16 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	3,85 mOhm	Short circuit current	396 A
---------------------	-----------	-----------------------	-------