



## XHP250 - Cell data sheet

### Classification

Brand	Alcad
Cell type	XHP250
Cell P/N	212424
Capacity at 5 hours rate	250 Ah
IEC Designation	KH250P
According to IEC 60623	



### Physical data

Overall height	339 mm	Weight per cell	15,3 Kg
Width	165 mm	Block length - 2 cells	
Length	198 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	2
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

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](http://www.alcad.com)

Version: 1.4, Last updated on 01/2015

P 1/2



## XHP250 - Cell data sheet

### Electrolyte

Electrolyte type: Renewal		Max/Min	65 mm
Electrolyte type: Initial	E4	Vent oil quantity	
Electrolyte per cell: Liquid	4,5 liters		

### Connection

Cable area	185 mm <sup>2</sup>
------------	---------------------

### 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	0,16 mOhm	Short circuit current	8958 A
---------------------	-----------	-----------------------	--------

### 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
1	25,6	31,7	50,0	82,8	123	163	240	455	641	735	893	1 042	1 389	1 562	1 923	2 083
1,05	25,3	31,4	49,6	82,2	123	161	238	439	568	641	735	862	1 190	1 389	1 667	1 786
1,1	25,0	31,1	49,0	80,6	119	156	225	352	431	481	556	676	962	1 136	1 389	1 471
1,14	24,7	30,6	48,3	77,2	113	146	195	278	333	379	439	532	806	962	1 190	1 316

#### 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	2 720 A
-------------------	---------

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](http://www.alcad.com)

Version: 1.4, Last updated on 01/2015