



XHP300 - Cell data sheet

Classification

Brand	Alcad
Cell type	XHP300
Cell P/N	212426
Capacity at 5 hours rate	300 Ah
IEC Designation	KH300P
According to IEC 60623	



Physical data

Overall height	339 mm		
Width	165 mm	Weight per cell	16,1 Kg
Length	198 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	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

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Electrolyte

Electrolyte type: Renewal		Max/Min	65 mm
Electrolyte type: Initial	E4	Vent oil quantity	
Electrolyte per cell: Liquid	4,0 liters		

Connection

Cable area	185 mm ²
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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	0,13 mOhm	Short circuit current	10750 A
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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	30,7	38,1	60,0	99,3	148	196	288	545	769	882	1 071	1 250	1 667	1 875	2 308	2 500
1,05	30,4	37,7	59,5	98,7	147	194	286	526	682	769	882	1 034	1 429	1 667	2 000	2 143
1,1	30,0	37,3	58,8	96,8	143	188	270	423	517	577	667	811	1 154	1 364	1 667	1 765
1,14	29,6	36,8	57,9	92,6	136	175	234	333	400	455	526	638	968	1 154	1 429	1 579

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	3 210 A
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