



## PV1570 - Cell data sheet

### Classification

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Brand	Alcad
Cell type	PV1570
Cell P/N	31-10039-8*
Capacity at 5 hours rate	1 450 Ah
IEC Designation	KGL 1450 P
According to IEC 62259	



### Physical data

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Overall height	405 mm		
Width	195 mm	Weight per cell	61,0 Kg
Length	462 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

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Container material	Polypropylene	No. of terminals/polarity	6
Separator type	Felt	Terminal material	Steel
Connection torque	30,0 +/- 3,0 Nm	Vent type	flame arresting vent
Terminal size	M10		(large)

### Plates

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Positive		Negative	
Type of plates	Ultra Low Maintenance Pocket	Type of plates	Ultra Low Maintenance Pocket

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P 1/2



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### Electrolyte

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Electrolyte type: Renewal	E13	Max/Min	50 mm
Electrolyte type: Initial	E29	Vent oil quantity	
Electrolyte per cell: Liquid			

### Connection

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Cable area	95 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	0,17 mOhm	Short circuit current	8782 A
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### Performance data

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#### Photovoltaic performance

For a fully charged cell after a constant current charge according to IEC 62259 standard at +20°C +/- 5°C (+68°F +/- 9°F)

V/Cell	1h
1	2 042