SLM 357 - Cell data sheet

Classification

Brand	Saft
Cell type	SLM 357
Cell P/N	31-03664-7*
Capacity at 5 hours rate	357 Ah
IEC Designation	KGM357P
According to IEC 62259	

Physical data

Overall height	421 mm		
Width	195 mm	Weight per cell	23,2 Kg
Length	187 mm	Block length - 2 cells	349 mm
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	3
Separator type	Felt	Terminal material	Steel
Connection torque	30,0 +/- 3,0 Nm	Vent type	low pressure vent
Terminal size	M10		

Plates

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

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Electrolyte

Electrolyte type: Renewal		Max/Min	190 mm
Electrolyte type: Initial	E22	Vent oil quantity	
Electrolyte per cell: Liquid	5,1 liters		

Connection

Cable area	95 mm²

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	0,28 mOhm	Short circuit current	3857 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	36,3	45,1	71,3	117	170	210	273	356	406	436	472	504	620	675	828	897
1,05	35,9	44,6	70,9	115	164	192	233	300	334	354	376	419	534	573	691	748
1,1	35,6	44,2	69,2	108	146	168	197	237	262	277	293	325	419	466	535	560
1,14	34,5	42,9	67,8	98,1	111	119	136	166	185	197	210	244	316	342	409	436

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