SBM 161 - Cell data sheet

Classification

Brand	Saft
Cell type	SBM 161
Cell P/N	31-00481-7*
Capacity at 5 hours rate	161 Ah
IEC Designation	KM161P
According to IEC 60623	

Physical data

Overall height	405 mm		
Width	195 mm	Weight per cell	8,4 kg
Length		Block length - 2 cells	127 mm
Block length - 3 cells	187 mm	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	1
Separator type	Grid	Terminal material	Steel
Connection torque	30,0 +/- 3,0 Nm	Vent type	Flame arresting vent
Terminal size	M10		

Plates

Positive		Negative	
Type of plates	Pocket	Type of plates	Pocket

Electrolyte

Electrolyte type: Renewal	E13	Max/Min	50 mm
Electrolyte type: Initial	E22	Vent oil quantity	40 cm3
Electrolyte per cell: Liquid	1,9 liters		

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Connection

Cable area	70 mm²

Charging

Float voltage	1,40 V/Cell	High rate voltage (min)	1,45 V/Cell
Single-level voltage	1,43 V/Cell		

Resistance/Short circuit

Internal resistance	0,53 mOhm	Short circuit current	2472 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
1,00	16,4	20,3	32,2	52,6	77,0	93,1	120	169	199	218	248	298	413	460	555	575
1,05	16,2	20,1	31,9	51,9	67,9	82,1	108	144	164	181	206	244	335	383	447	488
1,10	16,0	19,8	31,4	46,8	60,5	72,5	90,4	117	135	146	164	196	273	304	358	383
1,14	15,6	19,3	30,3	41,1	52,1	62,2	72,8	93,1	107	117	133	159	221	248	288	293

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