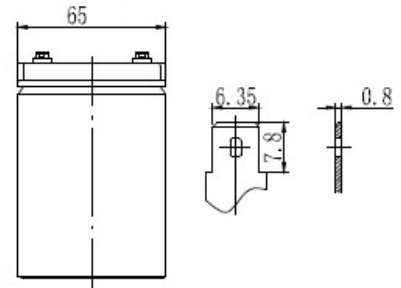
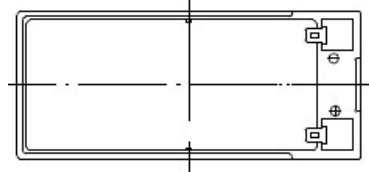
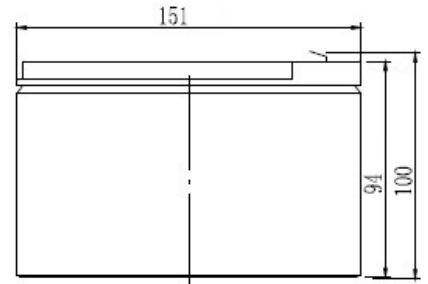




SBL 9-12L

Nominal voltage	12 V	
Nominal capacity	9,0 Ah @ C20 to 1,75 V/cell at 20°C	
Dimensions	Length	151 mm
	Width	65 mm
	Height / Total height	94 / 100 mm
Weight	~ 2,5 kg	
Technology	VRLA (Valve Regulated Lead Acid) AGM (Absorbent Glass Mat)	
Design life time	10-12 years (trickle use at 20°C)	
Internal resistance	~ 16 mΩ (full charged)	
Operating temperature range	Discharge	-20°C ~ +60°C
	Charge	0°C ~ +60°C
	Storage	-20°C ~ +60°C
Normal operating temperature range	+20°C ± 5°C	
Maximum discharge current	135 A (5 sek.)	
Short circuit current	450 A	
Recommended maximum charging current	2,7 A	
Charging voltage	Standby use (at 20°C)	13,5 ~ 13,8 VDC
	Cycle use (at 20°C)	14,4 ~ 14,8 VDC
Self discharge	Monthly is less than 3% at 20°C	
Container material	ABS UL94HB (optional UL94-V0)	
Terminal types	fast-on, 6,3 mm	



CONSTANT CURRENT DISCHARGE CHARACTERISTICS (A at 20°C)

Voltage / time	5 min	10 min	15 min	30 min	1 h	2 h	3 h	4 h	5 h	8 h	10 h	20 h
9.6 V	36,10	25,20	19,30	11,60	6,66	3,52	2,59	2,16	1,62	1,13	0,88	0,47
10.0 V	34,60	24,30	18,50	11,10	6,42	3,44	2,53	2,11	1,61	1,13	0,87	0,47
10.2 V	33,10	23,30	17,70	10,50	6,18	3,35	2,46	2,05	1,59	1,11	0,87	0,46
10.5 V	31,60	22,20	16,90	9,86	5,94	3,25	2,39	1,99	1,57	1,10	0,86	0,45
10.8 V	30,00	21,20	16,10	9,21	5,68	3,16	2,32	1,93	1,55	1,09	0,85	0,44
11.1 V	28,20	20,10	15,20	8,84	5,45	3,03	2,23	1,86	1,49	1,04	0,82	0,42

CONSTANT POWER DISCHARGE CHARACTERISTICS (W at 20°C)

Voltage / time	5 min	10 min	15 min	30 min	1 h	2 h	3 h	4 h	5 h	8 h	10 h	20 h
9.6 V	444,6	283,2	210,6	129,0	74,4	41,1	29,0	24,2	19,6	13,7	10,4	5,3
10.0 V	423,0	273,6	204,0	124,8	72,0	40,3	28,7	24,0	19,4	13,6	10,3	5,2
10.2 V	401,4	263,4	197,4	120,0	69,0	39,5	28,4	23,7	19,3	13,5	10,2	5,2
10.5 V	379,8	253,2	189,6	115,2	66,0	38,8	28,1	23,5	19,1	13,4	10,1	5,2
10.8 V	358,2	243,0	184,2	110,4	63,0	37,9	27,8	23,2	18,9	13,2	10,0	5,1
11.1 V	336,6	232,2	178,8	106,0	60,5	36,9	26,7	22,3	18,1	12,7	9,6	4,9

According with:

PN-EN 60896-21:2007	ISO 9001
PN-EN 60896-22:2007	ISO 14001
PN-EN 61056-1:2013	UL1989
PN-EN 61056-2:2013	
PN-E-83016:1999	



Please refer to the official site for the latest data: www.wamtechnik.pl