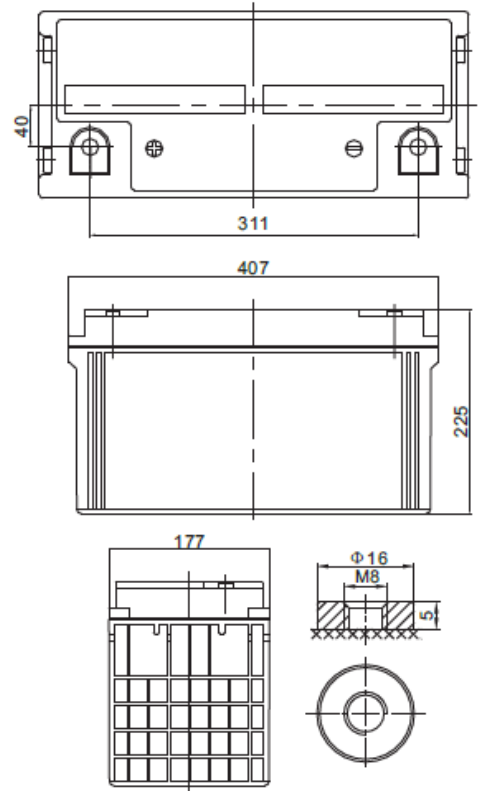




SBL 120-12i

Nominal voltage	12 V	
Nominal capacity	126,8 Ah @ C20 to 1,75 V/cell at 20°C 120,0 Ah @ C10 to 1,80 V/cell at 20°C	
Dimensions	Length	407 mm
	Width	177 mm
	Height / Total height	225 / 225 mm
Weight	~ 35,0 kg	
Technology	VRLA (Valve Regulated Lead Acid) AGM (Absorbent Glass Mat)	
Design life time	12 years (trickle use at 20°C)	
Internal resistance	~ 4,5 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	1200 A (5 sek.)	
Short circuit current	2220 A	
Recommended maximum charging current	36,0 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	Internal thread M8 (breaking torque 10 + 12 Nm)	



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	400,01	280,04	216,02	127,17	74,63	44,71	32,83	26,67	22,51	15,04	12,79	6,56
10.0 V	385,55	271,69	210,36	124,38	73,25	44,06	32,39	26,33	22,25	14,89	12,67	6,51
10.2 V	366,75	260,75	202,91	120,69	71,42	43,19	31,81	25,89	21,90	14,69	12,51	6,44
10.5 V	342,60	246,57	193,22	115,86	69,01	42,03	31,04	25,31	21,44	14,42	12,29	6,34
10.8 V	312,15	228,48	180,77	109,59	65,87	40,52	30,03	24,54	20,84	14,06	12,01	6,22
11.1 V	274,70	205,85	165,03	101,59	61,82	38,55	28,70	23,52	20,04	13,59	11,63	6,06

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	4131,0	2898,9	2299,8	1406,7	849,8	516,1	381,9	311,8	264,3	178,9	153,1	78,7
10.0 V	4087,3	2887,0	2286,7	1396,3	842,9	512,2	379,1	309,5	262,5	177,6	152,0	78,2
10.2 V	3931,6	2801,8	2225,1	1362,5	824,7	503,6	373,2	305,0	259,0	175,5	150,1	77,4
10.5 V	3738,8	2697,2	2149,7	1321,5	800,9	492,5	365,7	299,3	254,4	172,6	147,7	76,4
10.8 V	3465,9	2542,9	2039,5	1262,6	768,1	477,2	355,2	291,2	248,1	168,7	144,5	75,0
11.1 V	3104,2	2331,7	1888,4	1182,1	726,0	456,4	341,0	280,2	239,4	163,4	140,2	73,1

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	