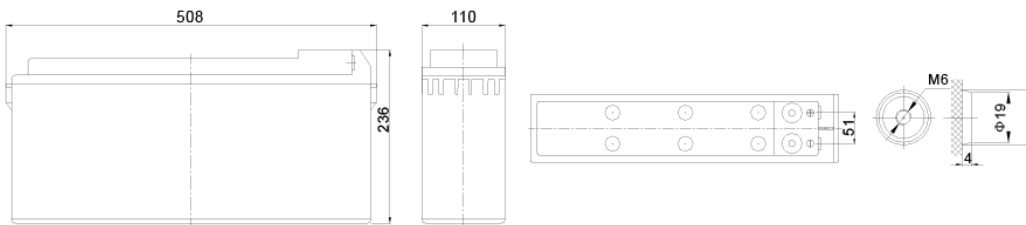




# SBLFT 105-12i

Nominal voltage	12 V
Nominal capacity	111,2 Ah @ C20 to 1,75 V/cell
	105 Ah @ C10 to 1,80 V/cell
Technology	AGM (Absorbent Glass Mat)
	VRLA (Valve Regulated Lead Acid)
Weight	~ 32,5 kg
Design life time	12 years (standby use)
	Long Life acc. Eurobat
Internal resistance	~ 6 mΩ (full charged)

Operating temperature range	Discharge -20°C ~ +60°C
	Charge 0°C ~ +50°C
	Storage -20°C ~ +60°C
Max. discharge current	1050 A (5 sec)
Short circuit current	31,5 A
Charging voltage	Standby use 13,6 - 13,8 VDC
	Cycle use 14,6 - 14,8 VDC
Self discharge	Monthly is less than 3% at 25°C
Container material	ABS UL94HB (optional UL94-V0)
Additional option	Centralized venting system



Length	508 ±2 mm
Width	110 ±2 mm
Height	236 ±2 mm
Total height	236 ±2 mm
Terminal types	Internal thread M8 (breaking torque 10-12 Nm)

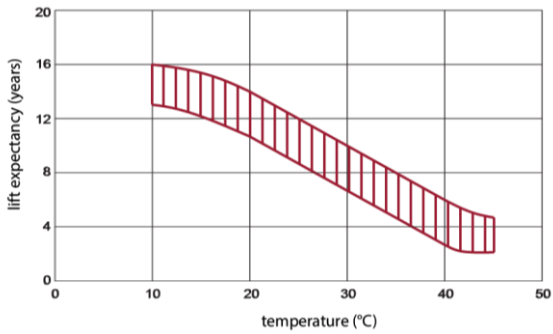
## CONSTANT CURRENT DISCHARGE CHARACTERISTICS (A at 25°C)

Voltage/Time	15 MIN	30 MIN	60 MIN	2 H	3 H	4 H	5 H	8 H	10 H	20 H
1.60V	190,7	113,8	64,2	38,2	29,6	23,3	19,8	13,3	11,1	5,79
1.65V	182,3	109,3	62,0	37,0	28,7	22,6	19,3	13,2	10,9	5,70
1.70V	170,8	104,4	59,9	35,8	27,9	22,0	18,8	13,0	10,8	5,63
1.75V	158,9	99,8	57,7	34,5	27,1	21,5	18,3	12,8	10,6	5,56
1.80V	146,7	95,4	55,5	33,3	26,3	20,9	17,8	12,6	10,5	5,51
1.85V	121,8	82,2	49,8	30,5	24,3	19,4	16,6	11,8	9,88	5,23

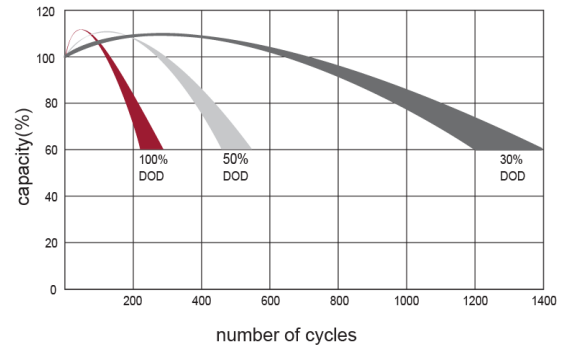
## CONSTANT POWER DISCHARGE CHARACTERISTICS (W/cell at 25°C)

Voltage/Time	15 MIN	30 MIN	60 MIN	2 H	3 H	4 H	5 H	8 H	10 H	20 H
1.60V	333,4	206,7	120,6	72,4	56,6	44,7	38,2	26,0	21,8	11,4
1.65V	323,5	200,6	117,1	70,5	55,0	43,6	37,3	25,8	21,5	11,2
1.70V	307,5	193,6	114,0	68,5	53,8	42,6	36,5	25,4	21,2	11,1
1.75V	290,3	187,0	110,5	66,4	52,4	41,7	35,7	25,1	21,0	11,0
1.80V	271,8	180,5	106,9	64,4	51,0	40,6	34,9	24,7	20,7	10,9
1.85V	228,8	157,0	96,4	59,3	47,3	37,9	32,6	23,3	19,6	10,4

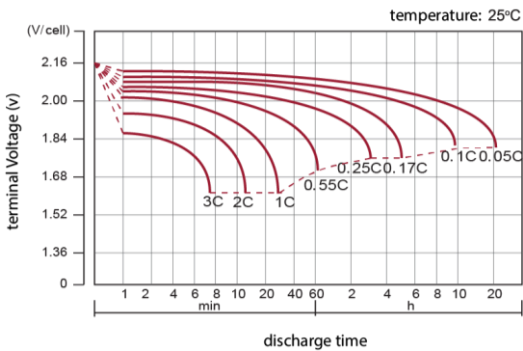
EFFECT OF TEMPERATURE ON LONG TERM LIFE



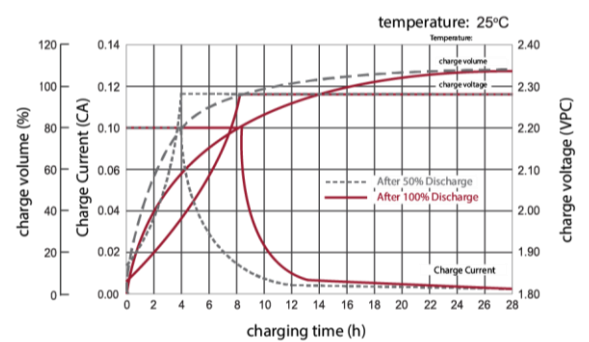
CYCLE LIFE IN RELATION TO DEPTH OF DISCHARGE



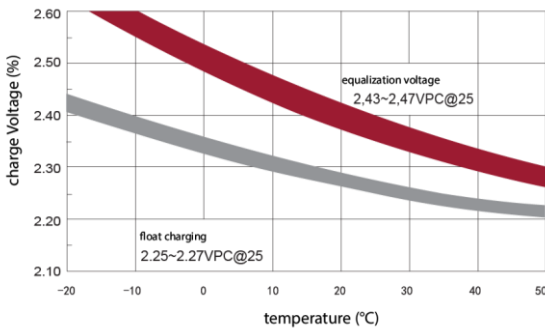
DISCHARGE CHARACTERISTICS CURVE



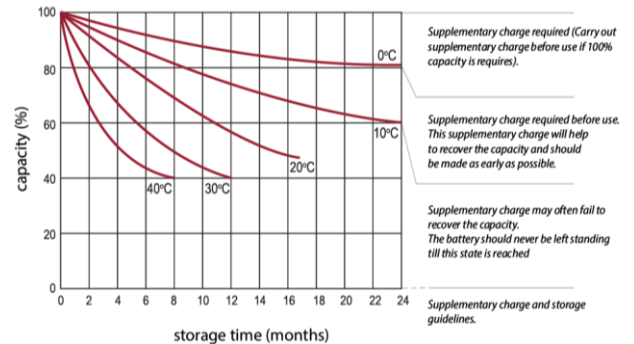
CHARGE CHARACTERISTIC CURVE FOR CYCLE USE



RELATIONSHIP BETWEEN CHARGING VOLTAGE AND TEMPERATURE



STORAGE CHARACTERISTICS



**Standards met:**

PN-EN 60896-21:2007 • PN-EN 60896-22:2007 • PN-EN 61056-1:2013 • PN-EN 61056-2:2013 • PN-E-83016:1999

Batteries manufactured in compliance with: ISO 9001 • ISO 14001

AGM Technology	VRLA	Front terminal	-20st°C - 60st°C	Recyclable	10-12 Years
UPS	Telecommunications	Security Systems	Energy Utilities	DC Power Supply	

All data contained in this document, are subject to change. Wamtechnik Sp. z o.o. reserves the right to change them without prior notice.