

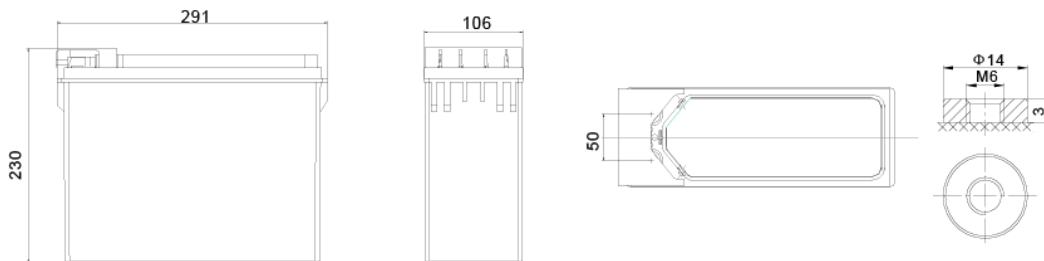


# SBLFT 55-12i



Nominal voltage	12 V
Nominal capacity	58,2 Ah @ C20 to 1,75 V/cel
	55 Ah @ C10 to 1,80 V/cell
Technology	AGM (Absorbent Glass Mat)
	VRLA (Valve Regulated Lead Acid)
Weight	~ 18 kg
Design life time	12 years (standby use)
	Long Life acc. Eurobat
Internal resistance	~ 7,5 mΩ (full charged)

Operating temperature range	Discharge -20°C ~ +60°C
	Charge 0°C ~ +50°C
	Storage -20°C ~ +60°C
Max. discharge current	550 A (5 sec)
Short circuit current	16,5 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	291 ±2 mm
Width	106 ±2 mm
Height	230 ±2 mm
Total height	230 ±2 mm
Terminal types	Internal thread M6 (breaking torque 8-10 Nm)

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

Napięcie/Czas	5 MIN	10 MIN	15 MIN	30 MIN	60 MIN	2 H	3 H	4 H	5 H	8 H	10 H	20 H
1.60V	170,8	131,5	99,9	59,6	33,6	20,0	15,5	12,20	10,40	6,97	5,80	3,04
1.65V	164,4	124,3	95,5	57,2	32,5	19,4	15,0	11,90	10,10	6,90	5,73	2,99
1.70V	156,6	114,4	89,4	54,7	31,4	18,7	14,6	11,50	9,84	6,79	5,65	2,95
1.75V	146,3	104,7	83,2	52,3	30,2	18,1	14,2	11,20	9,60	6,69	5,57	2,91
1.80V	133,3	94,8	76,9	50,0	29,1	17,4	13,8	10,90	9,35	6,58	5,50	2,89
1.85V	117,3	77,5	63,8	43,0	26,1	16,0	12,7	10,20	8,72	6,18	5,18	2,74

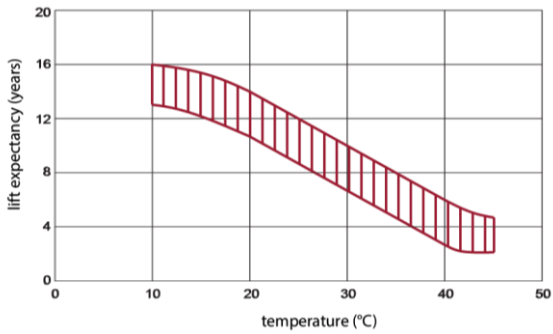
## CONSTANT POWER DISCHARGE CHARACTERISTICS (W/cell at 25°C)

Napięcie/Czas	5 MIN	10 MIN	15 MIN	30 MIN	60 MIN	2 H	3 H	4 H	5 H	8 H	10 H	20 H
1.60V	293,9	223,5	174,6	108,3	63,1	37,90	29,60	23,40	20,00	13,60	11,40	5,98
1.65V	290,8	215,3	169,4	105,1	61,3	36,90	28,80	22,90	19,60	13,50	11,30	5,89
1.70V	279,7	201,8	161,1	101,4	59,7	35,90	28,20	22,30	19,10	13,30	11,10	5,83
1.75V	266,0	188,1	152,1	97,9	57,9	34,80	27,50	21,80	18,70	13,20	11,00	5,76
1.80V	246,6	173,2	142,4	94,6	56,0	33,70	26,70	21,30	18,30	13,00	10,90	5,71
1.85V	220,9	144,1	119,8	82,2	50,5	31,10	24,80	19,90	17,10	12,20	10,20	5,43

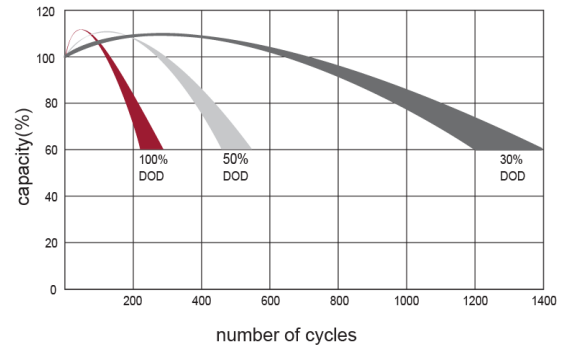
# SBLFT 55-12i



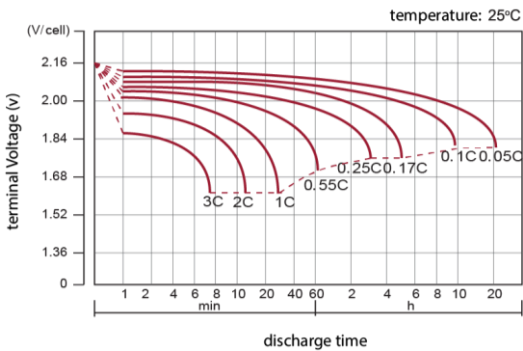
EFFECT OF TEMPERATURE ON LONG TERM LIFE



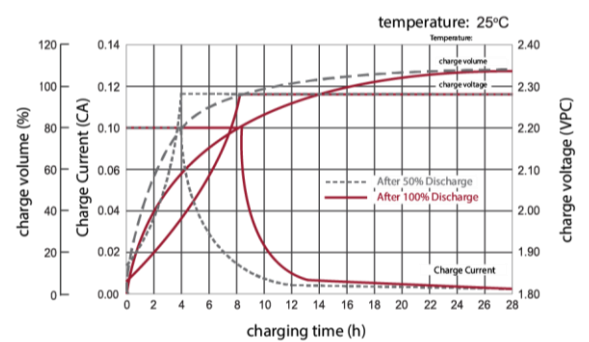
CYCLE LIFE IN RELATION TO DEPTH OF DISCHARGE



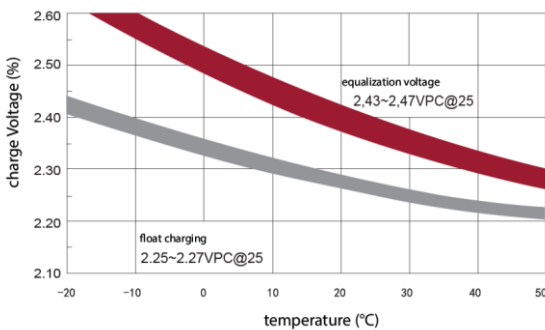
DISCHARGE CHARACTERISTICS CURVE



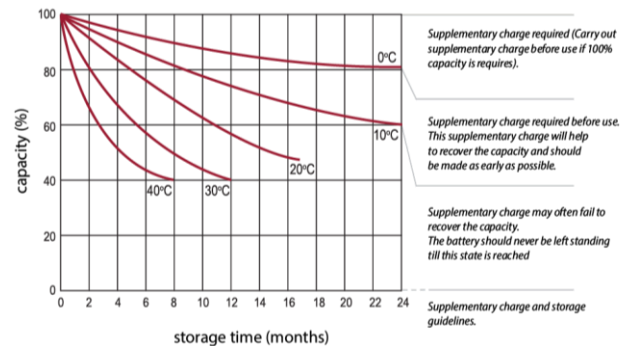
CHARGE CHARACTERISTIC CURVE FOR CYCLE USE



RELATIONSHIP BETWEEN CHARGING VOLTAGE AND TEMPERATURE



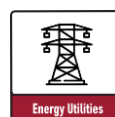
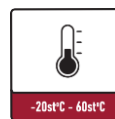
STORAGE CHARACTERISTICS



**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



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

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