

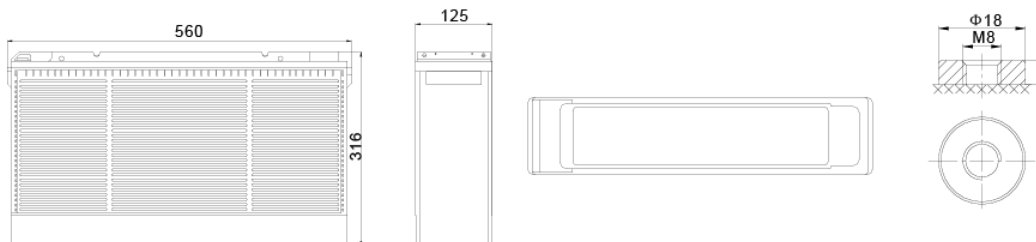


# SBLFT 180-12i



Nominal voltage	12 V
Nominal capacity	190,8 Ah @ C20 to 1,75 V/cell
	180 Ah @ C10 dla rozładowania to 1,80 V/cell
Technology	AGM (Absorbent Glass Mat)
	VRLA (Valve Regulated Lead Acid)
Weight	~ 52 kg
Design life time	12 years (standby use)
	Long Life acc. Eurobat
Internal resistance	~ 4 mΩ (full charged)

Operating temperature range	Discharge -20°C ~ +60°C
	Charge 0°C ~ +50°C
	Storage -20°C ~ +60°C
Max. discharge current	1800 A (5 sec)
Short circuit current	54 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	560 ±2 mm
Width	125 ±2 mm
Height	316 ±2 mm
Total height	316 ±2 mm
Terminal types	Internal thread M8 (breaking torque 10-12 Nm)

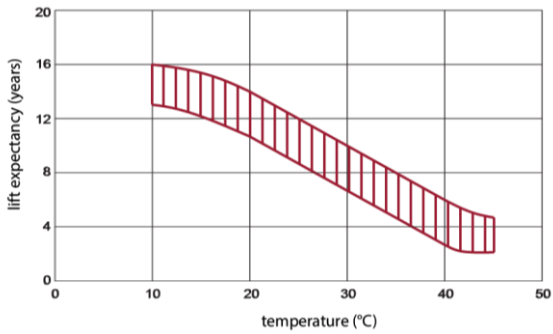
## CONSTANT CURRENT DISCHARGE CHARACTERISTICS (A at 25°C)

Voltage/Time	15 MIN	30 MIN	60 MIN	2 H	3 H	4 H	5 H	8 H	10 H	20 H
1.60V	310,6	193,2	110,0	65,5	50,8	39,90	34,00	22,80	19,00	9,93
1.65V	296,9	185,5	106,2	63,4	49,2	38,80	33,10	22,60	18,80	9,78
1.70V	278,1	177,3	102,8	61,3	47,9	37,80	32,20	22,20	18,50	9,66
1.75V	258,8	169,4	99,0	59,2	46,4	36,80	31,40	21,90	18,20	9,54
1.80V	239,0	161,9	95,2	57,1	45,0	35,70	30,60	21,50	18,00	9,44
1.85V	198,3	139,5	85,4	52,3	41,6	33,20	28,50	20,20	16,90	8,97

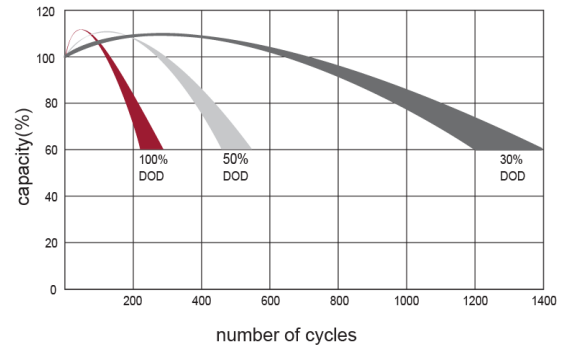
## CONSTANT POWER DISCHARGE CHARACTERISTICS (W/cell at 25°C)

Voltage/Time	15 MIN	30 MIN	60 MIN	2 H	3 H	4 H	5 H	8 H	10 H	20 H
1.60V	543,0	350,9	206,7	124,20	97,00	76,60	65,50	44,60	37,30	19,60
1.65V	526,8	340,4	200,7	120,80	94,40	74,80	64,00	44,20	36,90	19,30
1.70V	500,8	328,6	195,4	117,50	92,20	73,10	62,60	43,60	36,40	19,10
1.75V	472,8	317,3	189,4	113,90	89,80	71,50	61,20	43,10	36,00	18,90
1.80V	442,7	306,3	183,2	110,40	87,40	69,60	59,80	42,40	35,60	18,70
1.85V	372,6	266,5	165,3	101,70	81,20	65,00	56,00	39,90	33,50	17,80

EFFECT OF TEMPERATURE ON LONG TERM LIFE



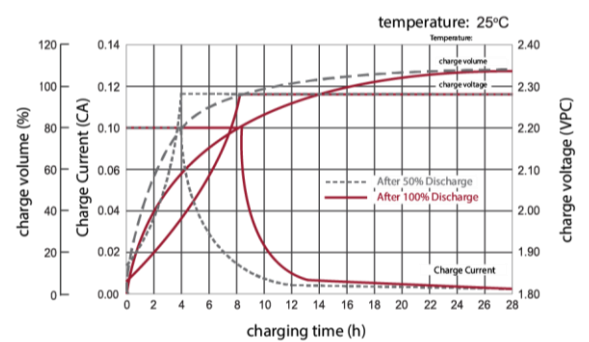
CYCLE LIFE IN RELATION TO DEPTH OF DISCHARGE



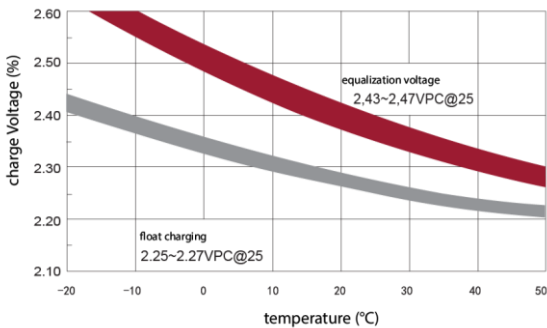
DISCHARGE CHARACTERISTICS CURVE



CHARGE CHARACTERISTIC CURVE FOR CYCLE USE



RELATIONSHIP BETWEEN CHARGING VOLTAGE AND TEMPERATURE



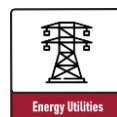
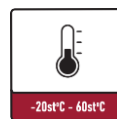
STORAGE CHARACTERISTICS



**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



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