

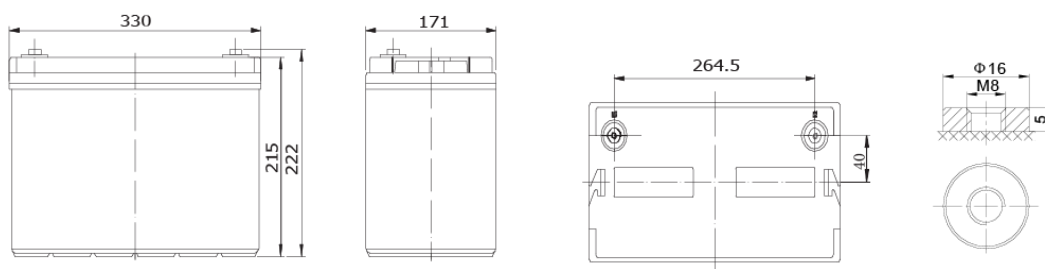


SBL 100-12i



Nominal voltage	12 V
Nominal capacity	107 Ah @ C20 to 1,75 V/cell
	100,1 Ah @ C10 to 1,80 V/cell
Technology	AGM (Absorbent Glass Mat)
	VRLA (Valve Regulated Lead Acid)
Weight	~ 29 kg
Design life time	12 years (standby use)
	Long Life acc. Eurobat
Internal resistance	~ 5,7 mΩ (full charged)

Operating temperature range	Discharge -20°C ~ +60°C
	Charge 0°C ~ +50°C
	Storage -20°C ~ +60°C
Max. discharge current	900 A (5 sec)
Short circuit current	2200 A
Max. charging current	30 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)



Length	330 ±2 mm
Width	171 ±2 mm
Height	215 ±2 mm
Total height	222 ±2 mm
Internal thread M8 (breaking torque 10-12 Nm)	

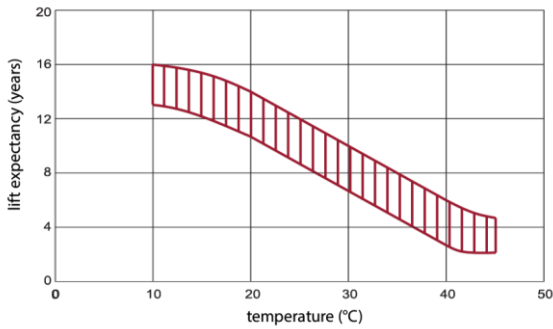
CONSTANT CURRENT DISCHARGE CHARACTERISTICS (A at 25°C)

Napięcie/Czas	10 MIN	15 MIN	30 MIN	60 MIN	2 H	3 H	4 H	5 H	8 H	10 H	20 H
1.60 V	233,0	192,0	108,0	65,3	37,2	26,8	21,9	18,8	11,8	10,4	5,46
1.65 V	218,0	182,0	105,0	64,2	36,4	26,2	21,5	18,5	11,6	10,3	5,43
1.70 V	202,0	173,0	101,0	63,2	35,8	25,7	21,1	18,2	11,4	10,2	5,40
1.75 V	188,0	161,0	97,5	62,1	35,1	25,1	20,6	17,8	11,1	10,1	5,35
1.80 V	173,0	150,0	95,5	61,2	34,2	24,4	20,1	17,4	10,9	10,0	5,35
1.85 V	160,0	142,0	91,3	59,5	33,5	23,3	19,2	16,6	10,4	9,9	5,31

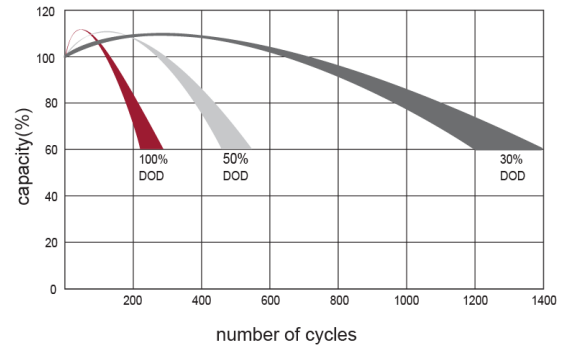
CONSTANT POWER DISCHARGE CHARACTERISTICS (W/cell at 25°C)

Napięcie/Czas	10 MIN	15 MIN	30 MIN	60 MIN	2 H	3 H	4 H	5 H	8 H	10 H	20 H
1.60 V	406	332	204	130	72,6	51,7	42,2	36,1	22,6	20,0	10,48
1.65 V	386	327	198	128	71,8	51,2	41,9	35,9	22,2	19,8	10,43
1.70 V	365	316	192	127	71,1	50,6	41,5	35,7	21,9	19,6	10,37
1.75 V	346	305	186	123	69,7	50,0	41,2	35,5	21,4	19,4	10,27
1.80 V	324	272	180	119	68,1	49,1	40,6	35,1	20,9	19,2	10,27
1.85 V	308	258	168	114	67,2	48,1	39,7	34,5	20,5	18,8	10,15

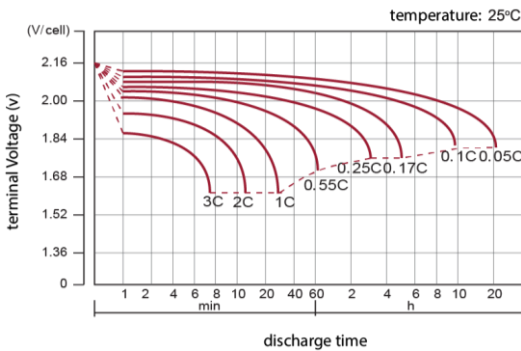
EFFECT OF TEMPERATURE ON LONG TERM LIFE



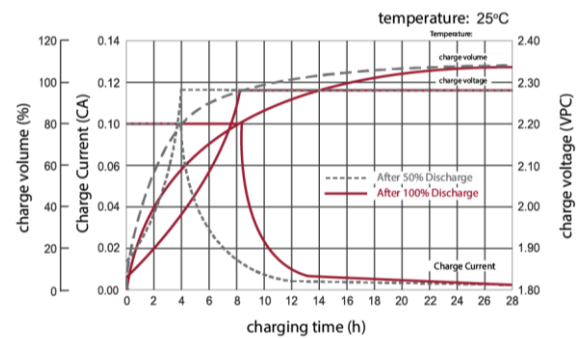
CYCLE LIFE IN RELATION TO DEPTH OF DISCHARGE



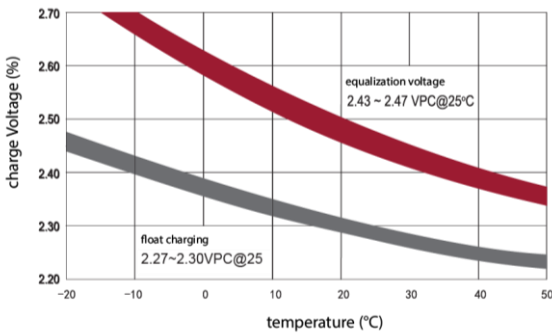
DISCHARGE CHARACTERISTICS CURVE



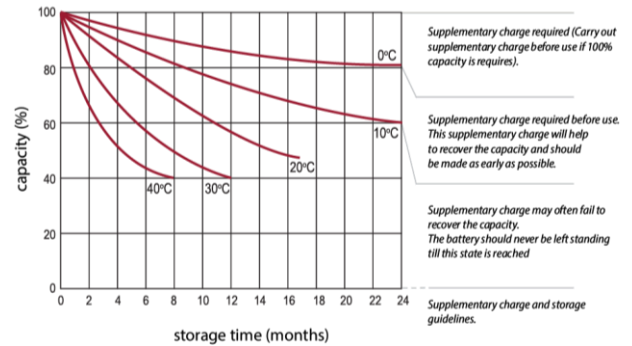
CHARGE CHARACTERISTIC CURVE FOR CYCLE USE



RELATIONSHIP BETWEEN CHARGING VOLTAGE AND TEMPERATURE



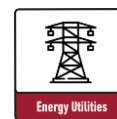
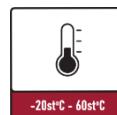
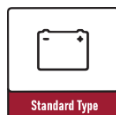
STORAGE CHARACTERISTICS



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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