

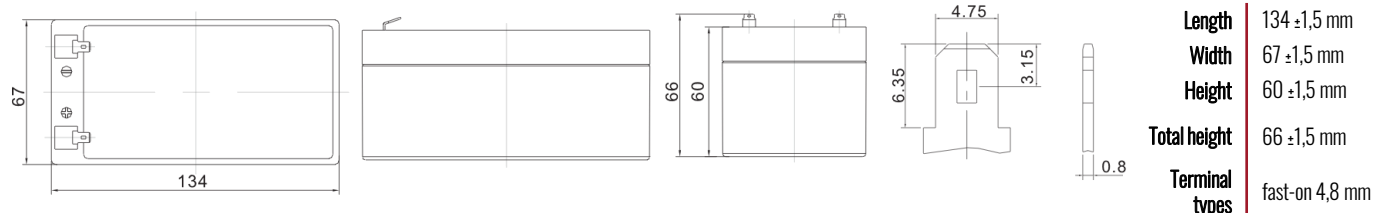


SB 3,4-12



Nominal voltage	12 V
Nominal capacity	3,4 Ah @ C20 to 1,75 V/cell
Technology	AGM (Absorbent Glass Mat)
	VRLA (Valve Regulated Lead Acid)
Weight	1,3 kg
Design life time	6-9 years (standby use)
	General Purpose acc. Eurobat
Internal resistance	~54 mΩ (full charged)

Operating temperature range	Discharge -20°C ~ +60°C
	Charge 0°C ~ +50°C
	Storage -20°C ~ +60°C
Max. discharge current	32 A (5 sec)
Short circuit current	166 A
Max. charging current	0,96 A
Charging voltage	Standby use 13,7 ~ 13,9 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)



CONSTANT CURRENT DISCHARGE CHARACTERISTICS (A at 25°C)

Napięcie / Czas	10MIN	15MIN	30MIN	1H	2H	3H	4H	5H	8H	10H	20H
1.60 V	8.581	6.203	3.563	1.955	1.200	0.902	0.729	0.604	0.389	0.316	0.167
1.65 V	8.108	5.930	3.420	1.888	1.162	0.875	0.709	0.588	0.384	0.312	0.164
1.70 V	7.465	5.554	3.269	1.827	1.124	0.851	0.690	0.573	0.378	0.307	0.162
1.75 V	6.833	5.169	3.125	1.760	1.085	0.825	0.672	0.558	0.373	0.303	0.170
1.80 V	6.185	4.773	2.987	1.693	1.046	0.800	0.653	0.544	0.367	0.299	0.158
1.85 V	5.055	3.960	2.572	1.518	0.958	0.739	0.607	0.507	0.344	0.282	0.150

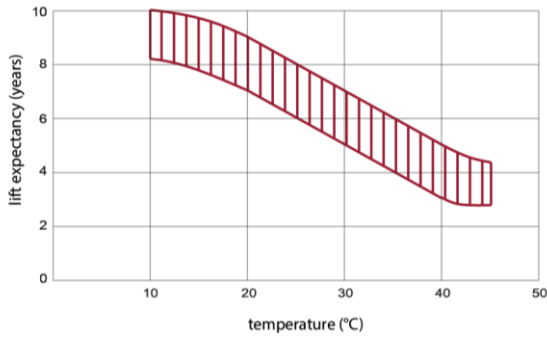
CONSTANT POWER DISCHARGE CHARACTERISTICS (W/cell at 25°C)

Napięcie / Czas	10MIN	15MIN	30MIN	1H	2H	3H	4H	5H	8H	10H	20H
1.60 V	14.59	10.84	6.471	3.674	2.275	1.724	1.399	1.164	0.759	0.620	0.328
1.65 V	14.05	10.52	6.278	3.568	2.213	1.677	1.366	1.138	0.752	0.614	0.323
1.70 V	13.17	10.00	6.060	3.474	2.152	1.639	1.334	1.112	0.742	0.605	0.320
1.75 V	12.27	9.442	5.852	3.367	2.087	1.597	1.305	1.088	0.733	0.598	0.316
1.80 V	11.30	8.842	5.650	3.257	2.022	1.554	1.272	1.063	0.722	0.591	0.314
1.85 V	9.402	7.441	4.914	2.939	1.863	1.443	1.186	0.995	0.680	0.557	0.298

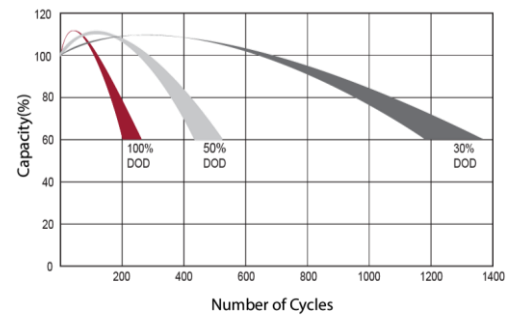
SBL 3,4-12



EFFECT OF TEMPERATURE ON LONG TERM LIFE



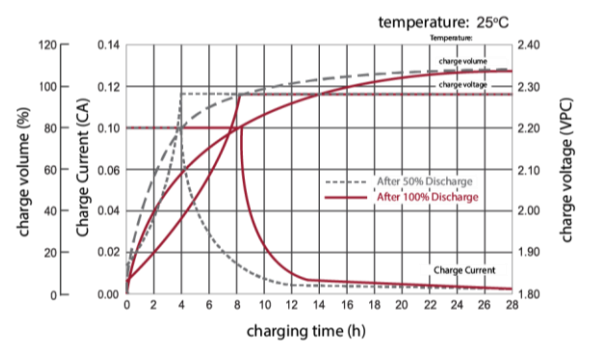
CYCLE LIFE IN RELATION TO DEPTH OF DISCHARGE



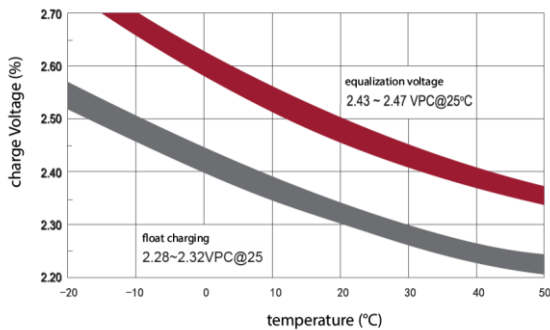
DISCHARGE CHARACTERISTICS CURVE



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

