

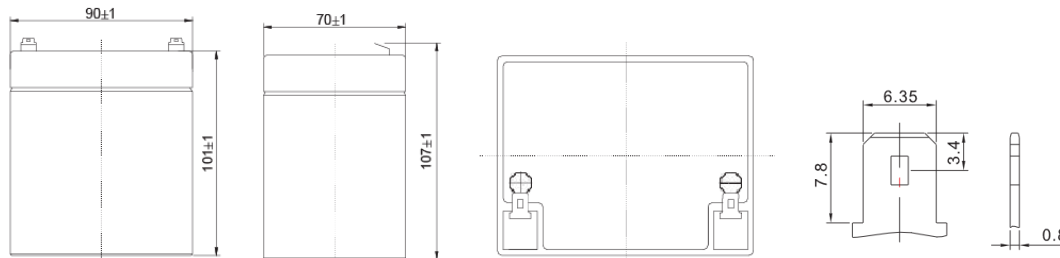


# SB 5-12L



Nominal voltage	12 V
Nominal capacity	5,2 Ah @ C20 to 1,75 V/cell
	5 Ah @ C10 to 1,80 V/cell
Technology	AGM (Absorbent Glass Mat)
	VRLA (Valve Regulated Lead Acid)
Weight	~ 1,85 kg
Design life time	6-9 years (standby use)
	General Purpose wg Eurobat
Internal resistance	~ 26 mΩ (full charged)

Operating temperature range	Discharge -20°C ~ +60°C
	Charge 0°C ~ +50°C
	Storage -20°C ~ +60°C
Max. discharge current	75 A (5 sec)
Short circuit current	270 A
Max. charging current	1,5 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)



Length	90 ±1,5 mm
Width	70 ±1,5 mm
Height	101 ±1,5 mm
Total height	107 ±1,5 mm
Terminal types	fast-on 6,3 mm

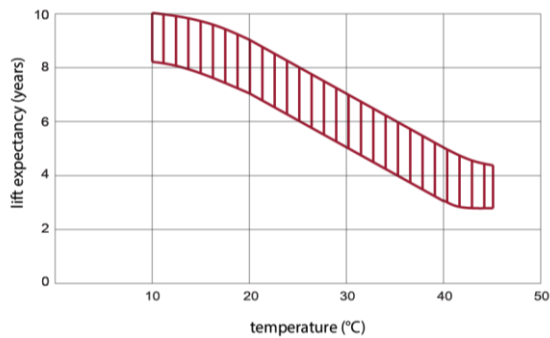
## CONSTANT CURRENT DISCHARGE CHARACTERISTICS (A at 25°C)

Napięcie / Czas	5MIN	10MIN	15MIN	30MIN	60MIN	2H	3H	4H	5H	8H	10H	20H
1.60V	26,50	17,50	13,10	7,51	4,14	2,65	1,81	1,35	1,03	0,78	0,52	0,27
1.65V	25,40	17,20	12,90	7,20	4,11	2,62	1,78	1,31	1,03	0,76	0,52	0,27
1.70V	25,00	17,00	12,80	7,06	4,07	2,58	1,73	1,28	1,02	0,74	0,52	0,27
1.75V	24,70	16,50	12,70	6,92	4,03	2,54	1,68	1,25	1,01	0,73	0,51	0,26
1.80V	24,10	15,80	12,50	6,88	3,99	2,51	1,64	1,21	1,00	0,70	0,50	0,26
1.85V	23,60	15,00	12,30	6,74	3,91	2,46	1,61	1,19	0,98	0,69	0,49	0,25

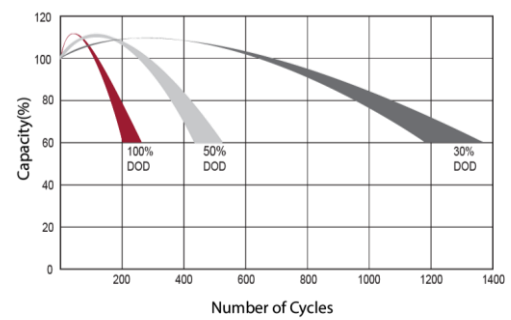
## CONSTANT POWER DISCHARGE CHARACTERISTICS (W/cell at 25°C)

Napięcie / Czas	5MIN	10MIN	15MIN	30MIN	60MIN	2H	3H	4H	5H	8H	10H	20H
1.60V	50,30	32,90	25,30	14,30	8,20	4,70	3,28	2,52	2,00	1,32	0,52	0,27
1.65V	49,80	32,60	25,10	14,20	8,13	4,63	3,26	2,47	1,98	1,27	0,52	0,27
1.70V	49,10	32,20	24,90	14,10	8,10	4,58	3,24	2,42	1,95	1,22	0,52	0,27
1.75V	48,40	32,00	24,70	14,00	8,05	4,51	3,23	2,41	1,91	1,20	0,52	0,27
1.80V	47,60	30,60	24,40	14,00	8,00	4,46	3,20	2,40	1,88	1,18	0,50	0,25
1.85V	46,65	29,98	23,92	13,72	7,83	4,38	3,13	2,35	1,93	1,17	0,48	0,25

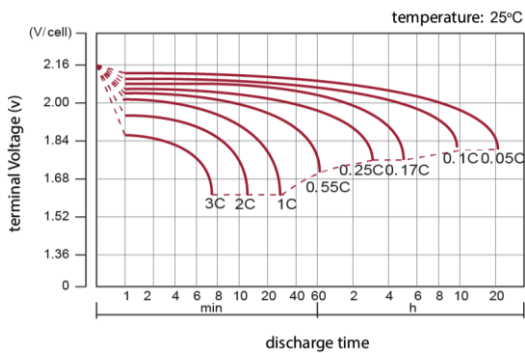
EFFECT OF TEMPERATURE ON LONG TERM LIFE



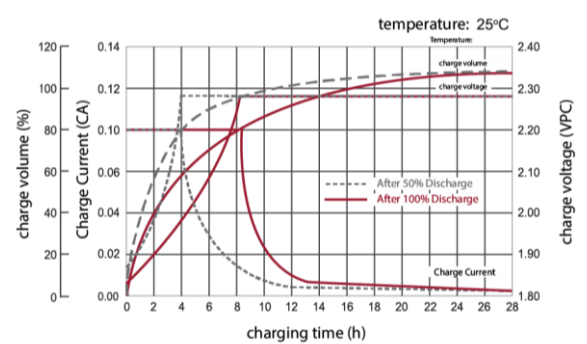
CYCLE LIFE IN RELATION TO DEPTH OF DISCHARGE



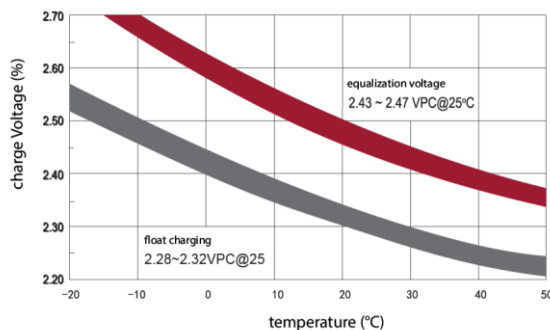
DISCHARGE CHARACTERISTICS CURVE



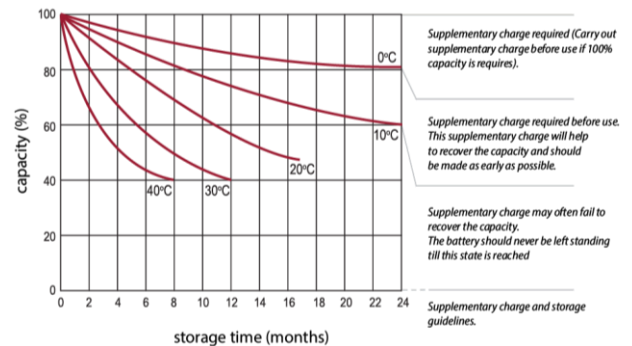
CHARGE CHARACTERISTIC CURVE FOR CYCLE USE



RELATIONSHIP BETWEEN CHARGING VOLTAGE AND TEMPERATURE



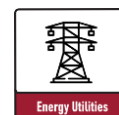
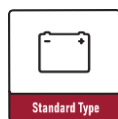
STORAGE CHARACTERISTICS



**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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