

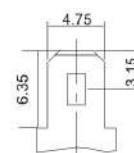
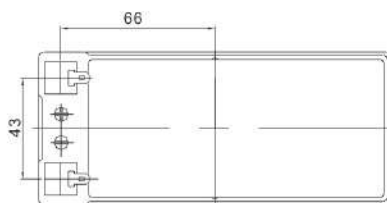
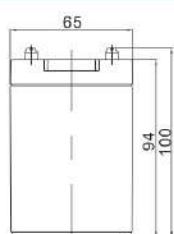
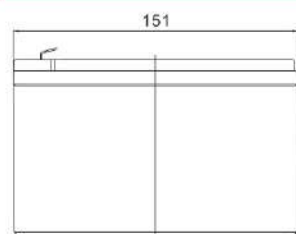


# SB 7-12



Nominal voltage	12 V
Nominal capacity	7 Ah @ C20 to 1,75 V/cell
	6,5 Ah @ C10 to 1,80 V/cell
Technology	AGM (Absorbent Glass Mat)
	VRLA (Valve Regulated Lead Acid)
Weight	~ 1,95 kg
Design life time	6-9 years (standby use)
	General Purpose wg Eurobat
Internal resistance	~ 32 mΩ (full charged)

Operating temperature range	Discharge -20°C ~ +60°C
	Charge 0°C ~ +50°C
	Storage -20°C ~ +60°C
Max. discharge current	70 A (5 sec)
Short circuit current	350 A
Max. charging current	2,1 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	151 ± 1,5 mm
Width	65 ± 1,5 mm
Height	94 ± 1,5 mm
Total height	100 ± 1,5 mm
Terminal types	fast-on 4,8 mm

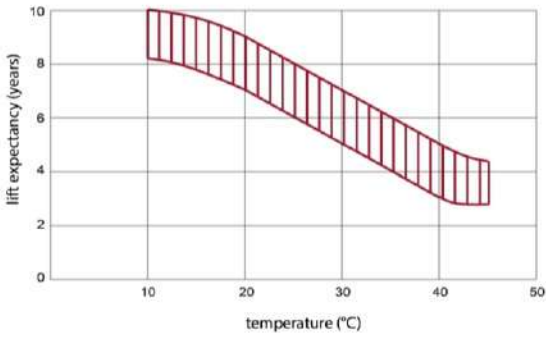
## CONSTANT CURRENT DISCHARGE CHARACTERISTICS (A at 25°C)

Napięcie / Czas	5MIN	10MIN	15MIN	30MIN	60MIN	2H	3H	4H	5H	8H	10H	20H
1.60V	26,56	18,77	13,57	7,793	4,277	2,626	1,974	1,594	1,320	0,850	0,690	0,364
1.65V	24,70	17,74	12,97	7,482	4,130	2,542	1,913	1,551	1,286	0,840	0,682	0,359
1.70V	22,28	16,33	12,15	7,151	3,996	2,458	1,861	1,508	1,253	0,827	0,672	0,354
1.75V	19,96	14,95	11,31	6,835	3,850	2,372	1,806	1,470	1,221	0,816	0,663	0,350
1.80V	17,53	13,53	10,44	6,533	3,703	2,288	1,750	1,428	1,190	0,802	0,654	0,347
1.85V	13,91	11,06	8,663	5,627	3,321	2,096	1,618	1,327	1,109	0,753	0,616	0,329

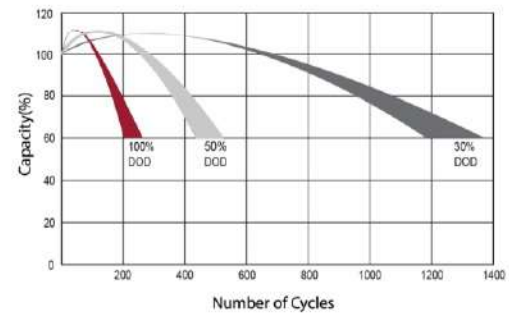
## CONSTANT POWER DISCHARGE CHARACTERISTICS (W/cell at 25°C)

Napięcie / Czas	5MIN	10MIN	15MIN	30MIN	60MIN	2H	3H	4H	5H	8H	10H	20H
1.60V	44,03	31,91	23,72	14,15	8,037	4,977	3,770	3,060	2,545	1,660	1,357	0,718
1.65V	41,42	30,73	23,01	13,73	7,806	4,841	3,669	2,988	2,489	1,645	1,342	0,707
1.70V	38,22	28,81	21,88	13,26	7,599	4,708	3,585	2,918	2,432	1,623	1,324	0,700
1.75V	35,00	26,85	20,65	12,80	7,366	4,564	3,493	2,854	2,379	1,604	1,308	0,692
1.80V	31,39	24,73	19,34	12,36	7,125	4,423	3,398	2,782	2,326	1,580	1,293	0,686
1.85V	25,44	20,57	16,28	10,75	6,430	4,075	3,156	2,595	2,176	1,487	1,219	0,652

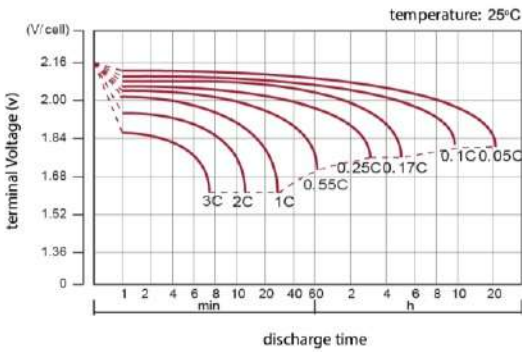
EFFECT OF TEMPERATURE ON LONG TERM LIFE



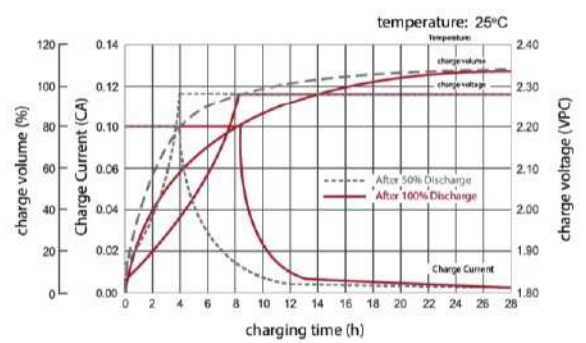
CYCLE LIFE IN RELATION TO DEPTH OF DISCHARGE



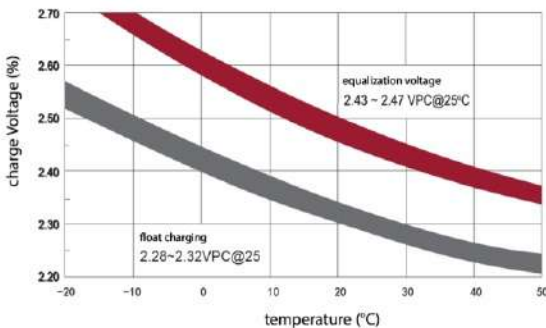
DISCHARGE CHARACTERISTICS CURVE



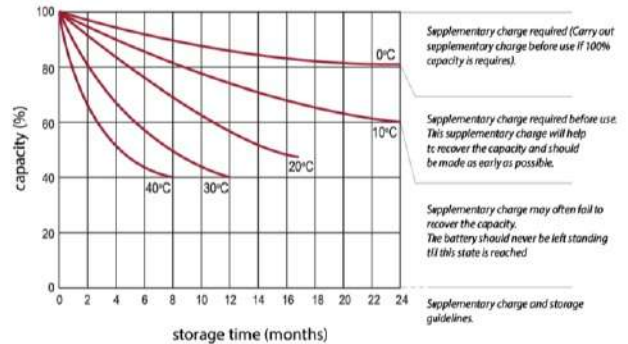
CHARGE CHARACTERISTIC CURVE FOR CYCLE USE



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**



ASM Technology	VRLA Maintenance Free	Standard Type	FOR INDUSTRIAL USE	Recyclable	6-9 Years Life Expect. EUROBA*
UPS	Emergency Lighting	Fire Alarm System	Security Systems	Energy Utilities	DC Power Supply