

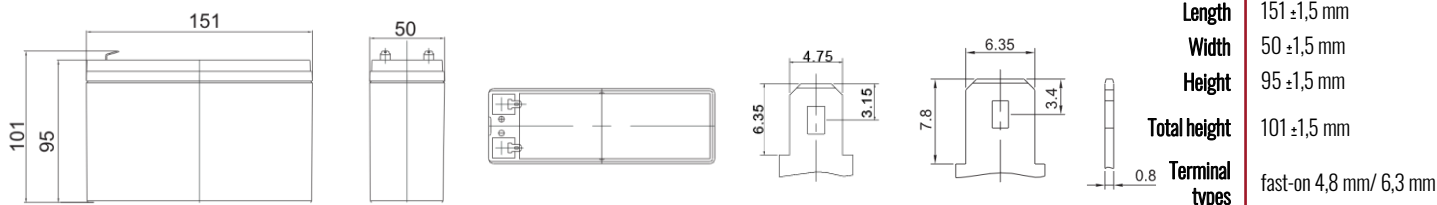


SBH 200-12



Nominal voltage	12 V
Nominal capacity	20W @ 15min to 1,67V/cell 5 Ah @ C20 to 1,75 V/cell
Technology	AGM (Absorbent Glass Mat) VRLA (Valve Regulated Lead Acid)
Weight	~ 1.8 kg
Design life time	6-9 years (standby use) General Purpose wg Eurobat
Internal resistance	~ 36 mΩ (full charged)

Operating temperature range	Discharge -20°C ~ +60°C
	Charge 0°C ~ +50°C
	Storage -20°C ~ +60°C
Max. discharge current	50 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)



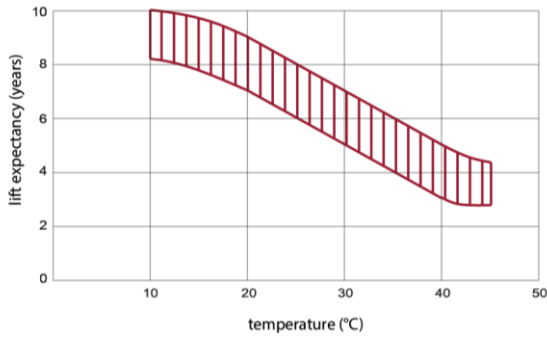
CONSTANT CURRENT DISCHARGE CHARACTERISTICS (A at 25°C)

Napięcie / Czas	3MIN	5MIN	8MIN	10MIN	15MIN	20MIN	30MIN	60MIN	90MIN
1.60V	26.08	22.92	18.32	15.70	11.58	9.104	6.487	3.638	2.579
1.67V	23.67	20.80	16.75	14.47	10.83	8.594	6.147	3.467	2.468
1.70V	22.64	19.91	16.08	13.95	10.50	8.364	5.995	3.392	2.422
1.75V	20.97	18.44	14.98	13.07	9.917	7.947	5.744	3.278	2.349
1.80V	19.21	16.89	13.85	12.19	9.417	7.573	5.494	3.155	2.266
1.85V	16.43	14.44	11.80	10.35	8.075	6.577	4.858	2.852	2.072

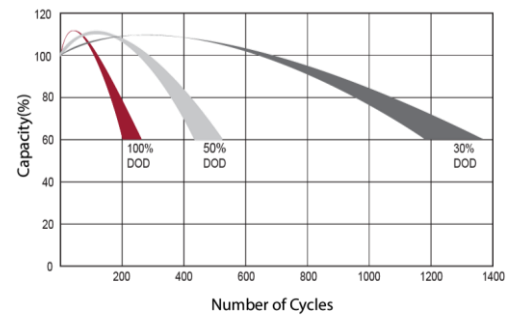
CONSTANT POWER DISCHARGE CHARACTERISTICS (W/cell at 25°C)

Napięcie / Czas	3MIN	5MIN	8MIN	10MIN	15MIN	20MIN	30MIN	60MIN	90MIN
1.60V	46.87	41.20	33.03	28.42	21.17	16.76	11.99	6.821	4.882
1.67V	43.06	37.85	30.62	26.58	20.00	16.00	11.54	6.565	4.716
1.70V	41.58	36.55	29.63	25.79	19.58	15.66	11.27	6.461	4.642
1.75V	38.89	34.18	27.92	24.47	18.67	15.06	10.92	6.281	4.522
1.80V	36.10	31.73	26.12	23.07	17.83	14.46	10.56	6.101	4.403
1.85V	31.37	27.57	22.57	19.82	15.50	12.68	9.395	5.552	4.043

EFFECT OF TEMPERATURE ON LONG TERM LIFE



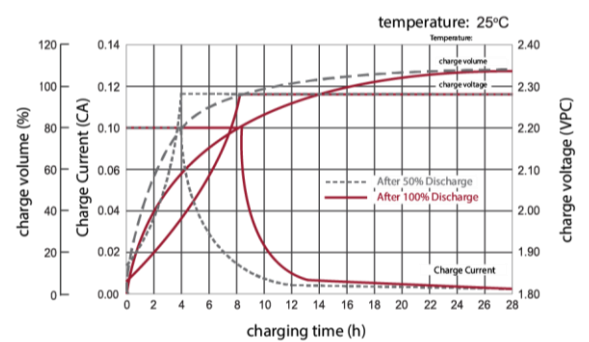
CYCLE LIFE IN RELATION TO DEPTH OF DISCHARGE



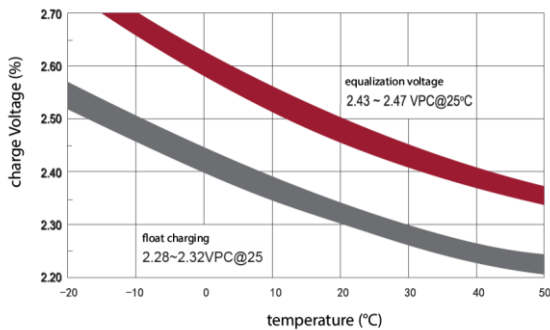
DISCHARGE CHARACTERISTICS CURVE



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

AGM Technology	VRLA Maintenance Free	Standard Type	-20st°C - 60st°C	Recyclable	6-9 Years Life Expect. EUROBAT
UPS	Emergency Lighting	Fire Alarm System	Security Systems	Energy Utilities	DC Power Supply

All data contained in this document, are subject to change. Wamtechnik Sp. z o.o. reserves the right to change them without prior notice.