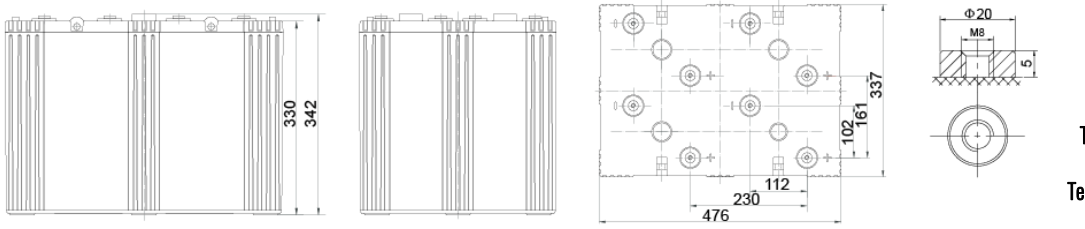
SBL 2500-2i

Nominal voltage	2 V
Nominal capacity	2500 Ah @ C10 to 1,80 V/cell
Technology	AGM (Absorbent Glass Mat) VRLA (Valve Regulated Lead Acid)
Weight	~ 121 kg
Design life time	20 years (standby use) Very Long Life acc. Eurobat
Internal resistance	~ 0,33 mΩ (full charged)

Operating temperature range	Discharge -20°C ~ +60°C Charge 0°C ~ +50°C Storage -20°C ~ +60°C
Max. discharge current	7500 (5 sec)
Short circuit current	18100 A
Max. charging current	500 A
Charging voltage	Standby use 2,27 ~ 2,30 VDC Cycle use 2,43 ~ 2,47 VDC
Self discharge	Monthly is less than 3% at 25°C
Container material	ABS UL94HB (optional UL94-V0)



Length	476 ±2 mm
Width	337 ±2 mm
Height	330 ±2 mm
Total height	342 ±2 mm
Terminal type	Internal thread M8 (breaking torque 10-12 Nm)

CONSTANT CURRENT DISCHARGE CHARACTERISTICS (A at 25°C)

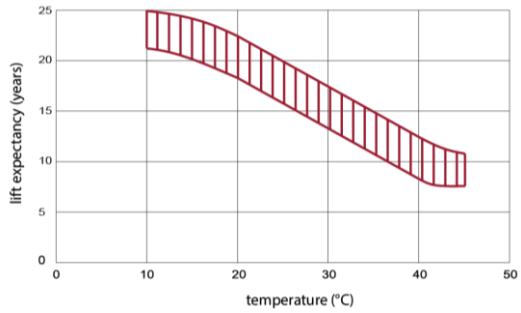
Napięcie/Czas	30 MIN	1 H	2 H	3 H	4 H	5 H	8 H	10 H	20 H
1.60V	2418	1527	940,7	705,1	567,6	471,7	317,0	263,7	
1.65V	2321	1475	910,6	683,4	552,2	459,4	313,4	260,5	
1.70V	2219	1427	880,6	664,8	537,2	447,5	308,6	256,6	
1.75V	2121	1375	849,9	645,0	523,5	436,2	304,3	253,2	
1.80V	2027	1322	819,4	625,0	508,4	425,0	299,1	250,0	
1.85V	1746	1186	750,8	577,8	472,6	396,3	280,8	235,3	

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

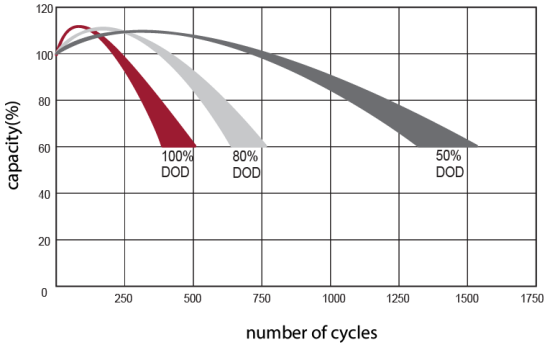
Napięcie/Czas	30 MIN	1 H	2 H	3 H	4 H	5 H	8 H	10 H	20 H
1.60V	4392	2870	1783	1347	1090	909	619,0	518,4	
1.65V	4260	2788	1734	1311	1064	888	613,4	512,8	
1.70V	4113	2714	1686	1281	1039	868	605,3	505,8	
1.75V	3972	2631	1635	1248	1016	849	598,1	499,7	
1.80V	3834	2545	1584	1214	990	830	589,2	494,0	
1.85V	3335	2296	1460	1127	924	777	554,5	465,7	

SBL 2500-2i

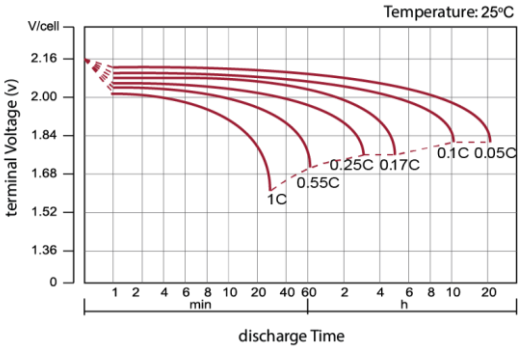
EFFECT OF TEMPERATURE ON LONG TERM LIFE



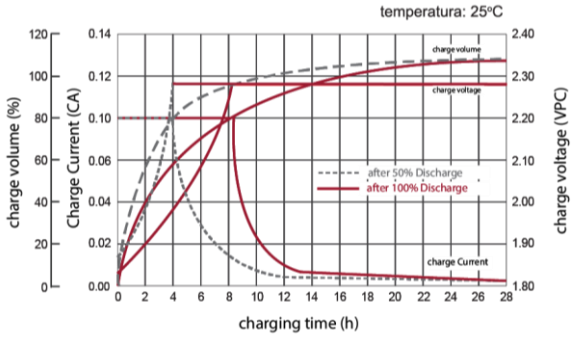
CYCLE LIFE IN RELATION TO DEPTH OF DISCHARGE



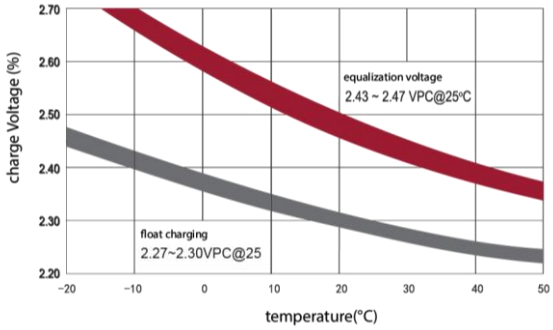
DISCHARGE CHARACTERISTICS CURVE



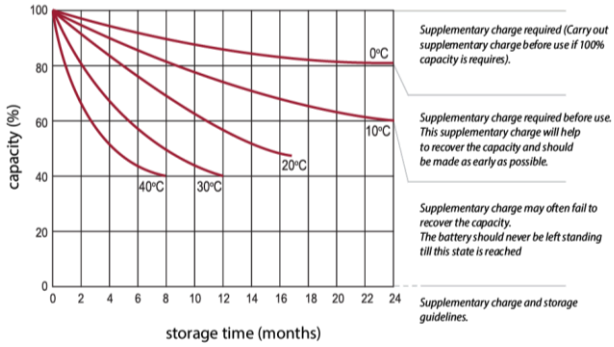
CHARGE CHARACTERISTIC CURVE FOR CYCLE USE



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 | > 12 Years Life Expect. EUROBAT

UPS | Emergency Lighting | Fire Alarm Systems | 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.

V.1/2023

Wamtechnik Sp. z o.o. ul.Techniczna 2 bud. H 05-500 Piaseczno
Tel. +48 22 701 26 00, office@wamtechnik.pl, www.wamtechnik.pl

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