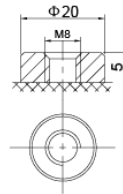
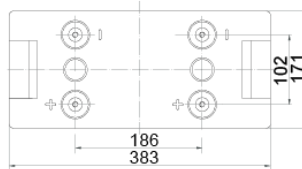
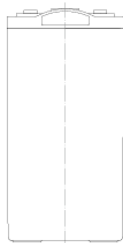
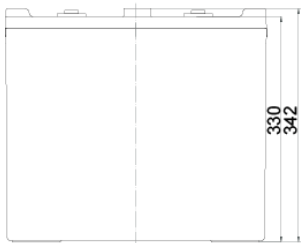




# SBL 1000-2i

<b>Nominal voltage</b>	2 V	<b>Operating temperature range</b>	Discharge -20°C ~ +60°C
<b>Nominal capacity</b>	1000 Ah @ C10 dla rozładowania do 1,80 V/celę		Charge 0°C ~ +50°C
<b>Technology</b>	AGM (Absorbent Glass Mat)	<b>Max. discharge current</b>	Storage -20°C ~ +60°C
	VRLA (Valve Regulated Lead Acid)		3200 (5 sec)
<b>Weight</b>	~ 51 kg	<b>Short circuit current</b>	6850 A
<b>Design life time</b>	20 years (standby use)	<b>Max. charging current</b>	200 A
	Very Long Life acc. Eurobat	<b>Charging voltage</b>	Standby use 2,27 ~ 2,30 VDC
<b>Internal resistance</b>	~ 0,48 mΩ (full charged)		Cycle use 2,43 ~ 2,47 VDC
		Monthly is less than 3% at 25°C	
		<b>Container material</b>	ABS UL94HB (optional UL94-V0)



<b>Length</b>	383 ±2 mm
<b>Width</b>	171 ±2 mm
<b>Height</b>	330 ±2 mm
<b>Total height</b>	342 ±2 mm
<b>Terminal type</b>	Internal thread M8 (breaking torque 10-12 Nm)

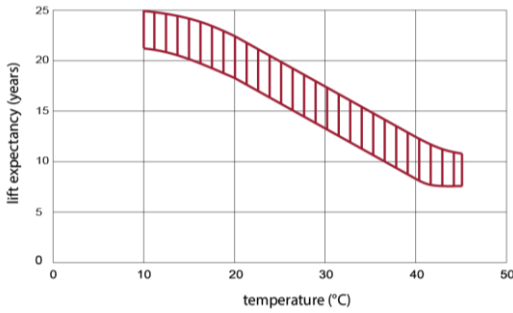
## CONSTANT CURRENT DISCHARGE CHARACTERISTICS (A at 25°C)

Voltage/Time	10 MIN	15 MIN	30 MIN	1 H	2 H	3 H	5 H	8 H	10 H	20 H
1.60V	1270	1089	811,0	565,9	361,1	268,8	180,6	124,8	104,5	54,86
1.65V	1200	1014	764,0	557,4	355,6	265,9	179,1	123,8	103,5	54,34
1.70V	1119	962,5	735,7	543,0	349,6	260,9	176,1	122,3	103,0	54,08
1.75V	995,6	880,3	695,1	520,5	341,1	255,9	173,6	120,8	101,5	53,29
1.80V	842,4	787,4	650,4	500,5	329,7	250,5	170,1	118,8	100,0	52,50
1.85V	685,6	649,7	558,8	446,6	300,8	230,1	157,7	110,8	93,50	49,09

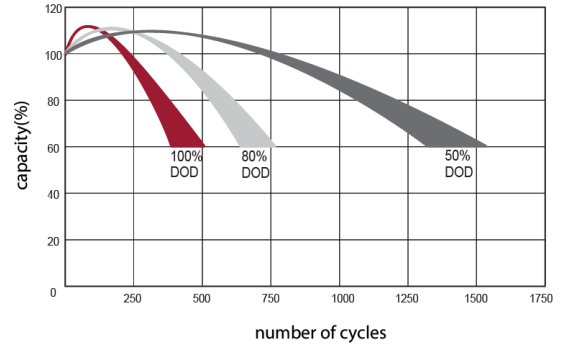
## CONSTANT POWER DISCHARGE CHARACTERISTICS (W/cell at 25°C)

Voltage/Time	10 MIN	15 MIN	30 MIN	1 H	2 H	3 H	5 H	8 H	10 H	20 H
1.60V	2135	1838	1423	1061	685,2	514,4	349,7	244,5	206,5	108,4
1.65V	2082	1801	1404	1049	679,3	511,4	347,3	243,5	205,0	107,6
1.70V	1974	1731	1363	1029	667,8	502,9	344,3	241,0	203,5	106,8
1.75V	1790	1609	1300	995,5	653,4	494,5	338,8	238,5	201,5	105,8
1.80V	1540	1458	1231	964,0	639,4	486,1	332,8	235,0	198,5	104,2
1.85V	1275	1222	1067	861,6	584,7	448,9	309,9	220,1	186,5	97,91

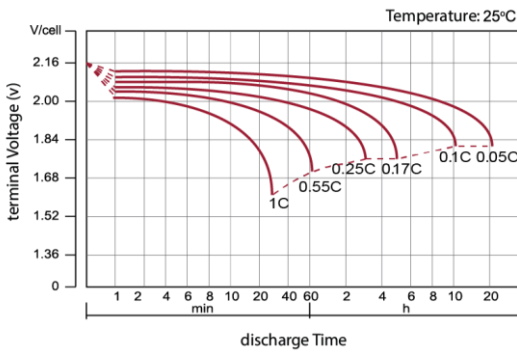
EFFECT OF TEMPERATURE ON LONG TERM LIFE



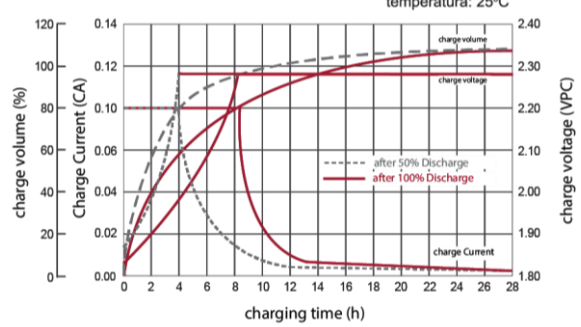
CYCLE LIFE IN RELATION TO DEPTH OF DISCHARGE



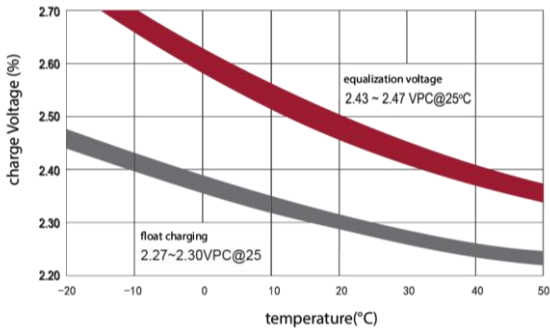
DISCHARGE CHARACTERISTICS CURVE



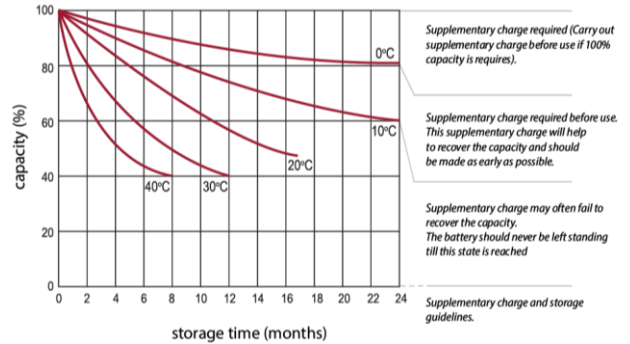
CHARGE CHARACTERISTIC CURVE FOR CYCLE USE



RELATIONSHIP BETWEEN CHARGING VOLTAGE AND TEMPERATURE



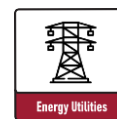
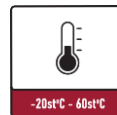
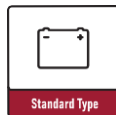
STORAGE CHARACTERISTICS



**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



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