

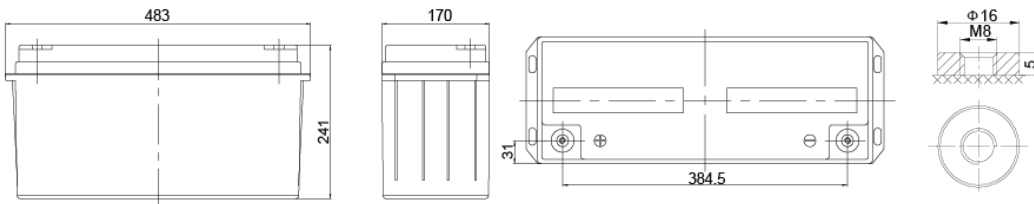


# SBL 170-12HR



Nominal voltage	12 V
Nominal capacity	4247 W / 10min to 1,67 V/cell 150 Ah @ C20 to 1,75 V/cell
Technology	AGM (Absorbent Glass Mat) VRLA (Valve Regulated Lead Acid)
Weight	~ 46 kg
Design life time	15 years (standby use) Very Long Life acc. Eurobat
Internal resistance	~ 3,8 mΩ (full charged)

Operating temperature range	Discharge -20°C ~ +60°C
	Charge 0°C ~ +50°C
	Storage -20°C ~ +60°C
Max. discharge current	1500 (5 sec)
Short circuit current	3100 A
Max. charging current	45 A
Charging voltage	Standby use 13,6 ~ 13,8 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	483 ±2 mm
Width	170 ±2 mm
Height	241 ±2 mm
Total height	241 ±2 mm
Terminal	Internal thread M8 (breaking torque 10-12 Nm)

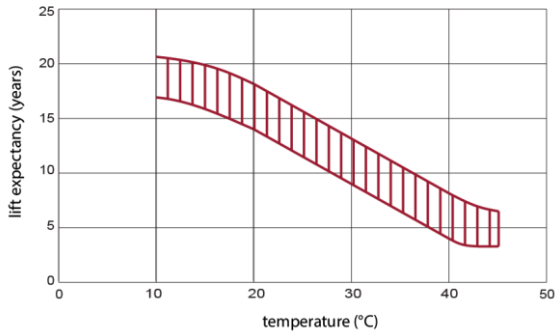
## CONSTANT CURRENT DISCHARGE CHARACTERISTICS (A at 25°C)

Voltage/Time	5 MIN	8 MIN	10 MIN	15 MIN	20 MIN	30 MIN	60 MIN	90 MIN
1.60 V	467,1	414,9	384,2	315,2	256,7	189,2	109,5	78,6
1.67 V	423,8	380,5	355,1	293,9	241,3	179,0	104,4	75,4
1.70 V	405,8	365,7	342,3	285,0	234,5	174,7	102,4	73,9
1.75 V	374,7	340,7	320,9	269,6	222,8	167,3	98,8	71,6
1.80 V	343,3	315,5	299,5	255,1	212,3	160,2	95,2	69,3
1.85 V	294,6	268,8	253,8	219,4	184,3	141,7	86,0	63,1

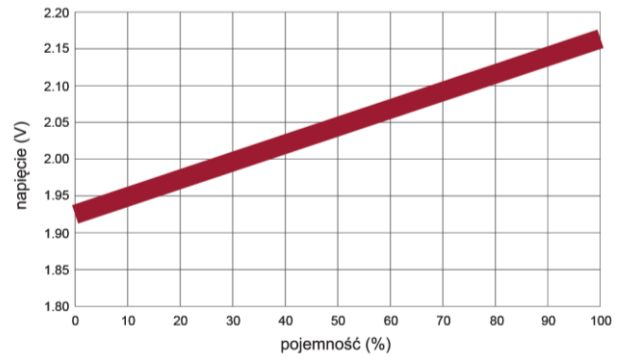
## CONSTANT POWER DISCHARGE CHARACTERISTICS (W/cell at 25°C)

Voltage/Time	5 MIN	8 MIN	10 MIN	15 MIN	20 MIN	30 MIN	60 MIN	90 MIN
1.60 V	950,4	825,8	747,2	600,8	493,3	367,6	205,6	151,8
1.67 V	887,9	782,1	707,9	571,5	470,8	352,5	197,9	145,9
1.70 V	861,2	763,7	690,4	560,4	460,6	345,4	194,6	143,2
1.75 V	823,6	734,8	656,4	540,9	442,1	334,0	192,3	141,7
1.80 V	785,8	706,1	622,5	521,3	427,9	323,9	191,2	140,3
1.85 V	587,7	538,8	510,5	442,5	372,8	287,5	167,0	123,4

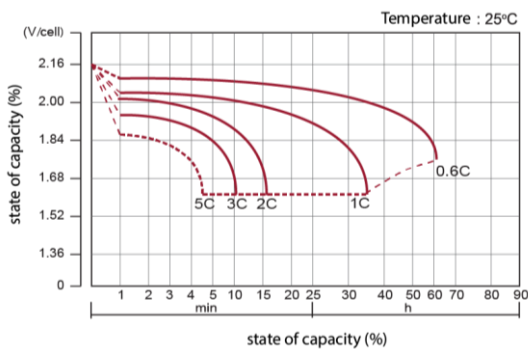
EFFECT OF TEMPERATURE ON LONG TERM LIFE



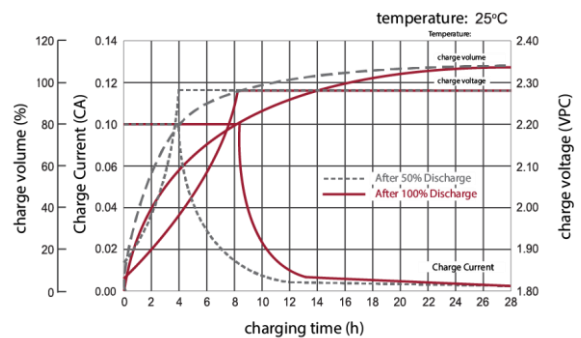
CHARGE CHARACTERISTIC CURVE FOR STANDBY USE



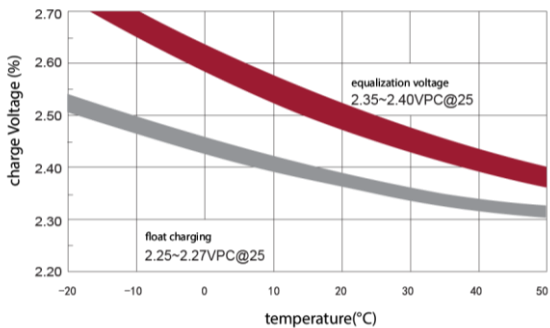
DISCHARGE CHARACTERISTICS CURVE



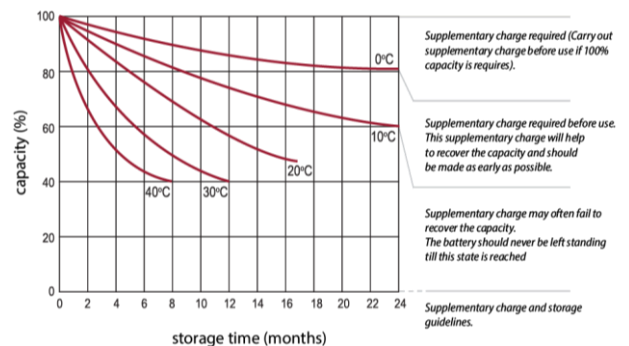
CHARGE CHARACTERISTIC CURVE FOR CYCLE USE



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	Standard Type	-20st°C - 60st°C	Recyclable	> 12 Years Life Expect. EUROBAT
High Rate Type	UPS	Emergency Lighting	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.