

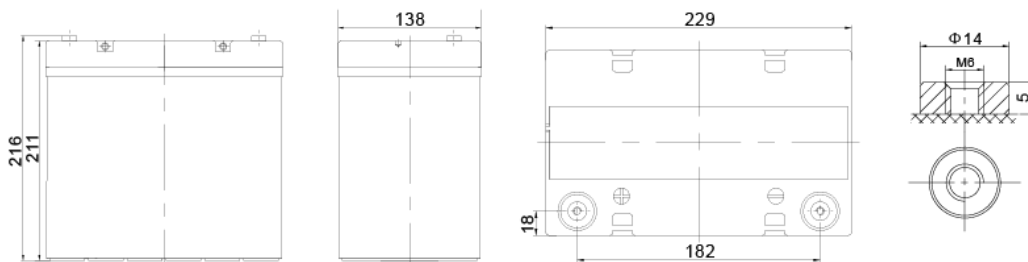


# SBL 66-12HR



Nominal voltage	12 V
Nominal capacity	1550 W / 10min to 1,67 V/cel
	55 Ah @ C20 to 1,75 V/cell
Technology	AGM (Absorbent Glass Mat)
	VRLA (Valve Regulated Lead Acid)
Weight	~ 17,5 kg
Design life time	15 years (standby use)
	Very Long Life acc. Eurobat
Internal resistance	~ 7 mΩ (full charged)

Operating temperature range	Discharge -20°C ~ +60°C
	Charge 0°C ~ +50°C
	Storage -20°C ~ +60°C
Max. discharge current	550 A (5 sec)
Short circuit current	1350 A
Max. charging current	16,5 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	229 ±2 mm
Width	138 ±2 mm
Height	211 ±2 mm
Total height	216 ±2 mm
Terminal	Internal thread M6 (breaking torque 8-10 Nm)

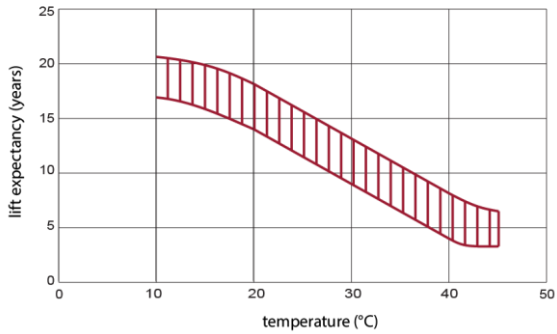
## CONSTANT CURRENT DISCHARGE CHARACTERISTICS (A at 25°C)

Voltage/Time	5 MIN	8 MIN	10 MIN	15 MIN	20 MIN	30 MIN	60 MIN	90 MIN
1.60 V	199,8	165,4	145,0	110,6	90,1	66,4	38,4	27,6
1.67 V	181,4	151,7	134,0	103,1	84,6	62,8	36,6	26,4
1.70 V	173,6	145,8	129,2	100,0	82,3	61,3	35,9	25,9
1.75 V	160,3	135,8	121,1	94,6	78,2	58,7	34,7	25,1
1.80 V	146,9	125,8	113,0	89,5	74,5	56,2	33,4	24,3
1.85 V	126,1	107,2	95,7	77,0	64,6	49,7	30,2	22,2

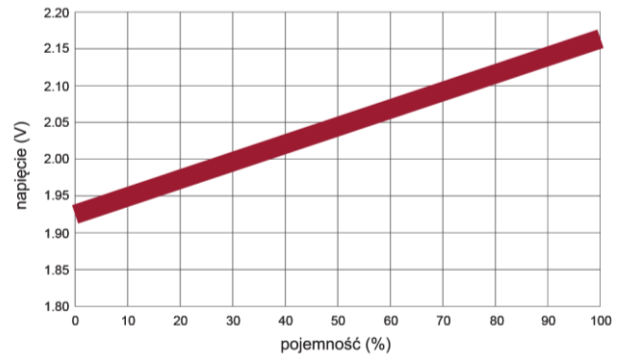
## CONSTANT POWER DISCHARGE CHARACTERISTICS (W/cell at 25°C)

Voltage/Time	5 MIN	8 MIN	10 MIN	15 MIN	20 MIN	30 MIN	60 MIN	90 MIN
1.60 V	367,2	308,1	272,7	217,9	175,6	129,0	74,5	55,4
1.67 V	341,8	289,0	258,3	208,5	165,4	124,2	71,7	53,2
1.70 V	330,6	280,4	251,9	204,5	161,6	122,1	70,4	52,2
1.75 V	310,2	268,1	239,5	197,6	158,6	120,2	70,1	51,7
1.80 V	288,7	257,6	227,1	190,2	156,1	118,2	69,8	51,2
1.85 V	251,5	214,8	192,6	155,2	130,8	100,9	58,6	43,3

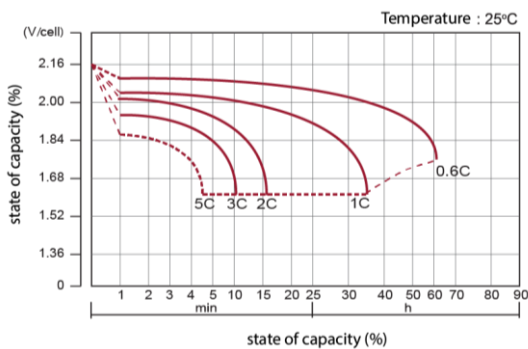
EFFECT OF TEMPERATURE ON LONG TERM LIFE



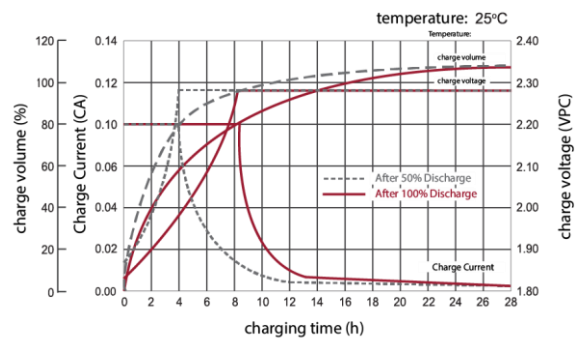
CHARGE CHARACTERISTIC CURVE FOR STANDBY USE



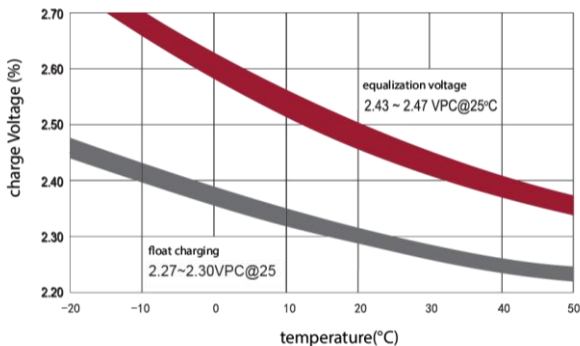
DISCHARGE CHARACTERISTICS CURVE



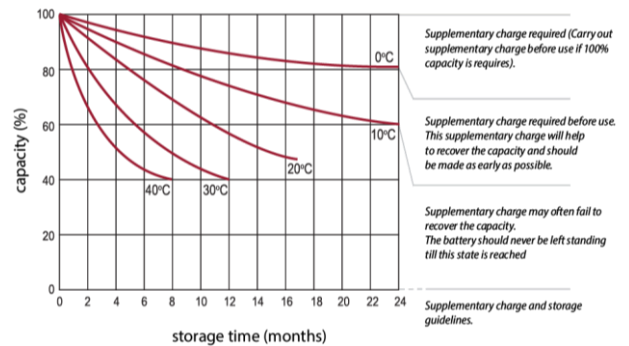
CHARGE CHARACTERISTIC CURVE FOR CYCLE USE



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
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.