

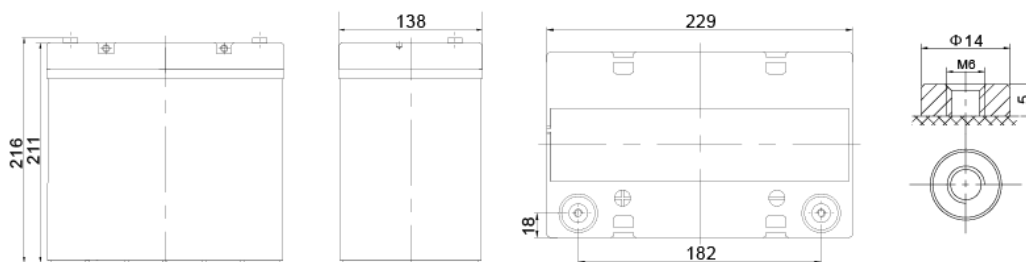


# SBL 66-12HR



Nominal voltage	12 V
Nominal capacity	1528 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	193,9	162,1	143,50	110,60	90,05	66,38	38,41	27,57
1.67 V	175,9	148,7	132,60	103,10	84,65	62,81	36,64	26,44
1.70 V	168,4	142,9	127,90	100,00	82,27	61,30	35,92	25,93
1.75 V	155,5	133,1	119,90	94,59	78,16	58,70	34,67	25,12
1.80 V	142,5	123,3	111,90	89,51	74,49	56,22	33,42	24,30
1.85 V	122,3	105,0	94,79	76,97	64,65	49,73	30,19	22,16

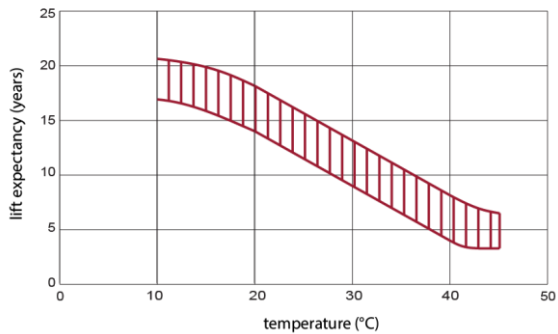
## CONSTANT POWER DISCHARGE CHARACTERISTICS (W/cell at 25°C)

Voltage/Time	5 MIN	8 MIN	10 MIN	15 MIN	20 MIN	30 MIN	60 MIN	90 MIN
1.60 V	356,2	301,9	269,9	210,8	173,1	129,0	72,14	52,17
1.67 V	331,5	283,3	254,7	200,0	165,2	123,7	69,44	50,44
1.70 V	320,6	274,8	247,6	195,4	161,6	121,2	68,29	49,72
1.75 V	300,9	259,7	235,2	186,9	155,1	117,2	66,42	48,40
1.80 V	280,0	243,7	222,1	178,6	149,3	113,1	64,44	47,07
1.85 V	243,9	210,5	190,7	155,2	130,8	100,9	58,61	43,29

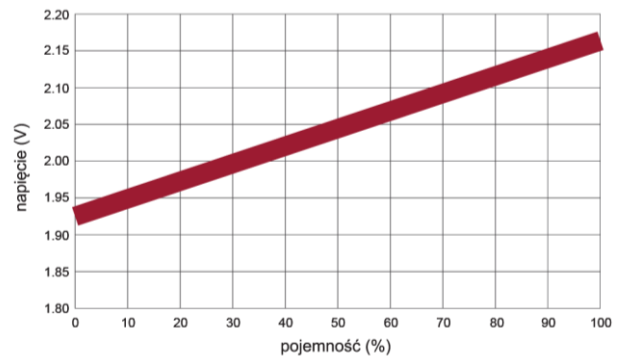
# SBL 66-12HR



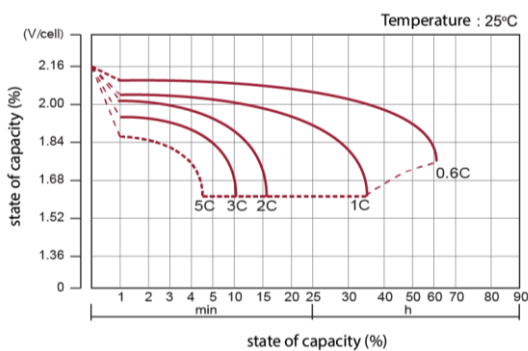
EFFECT OF TEMPERATURE ON LONG TERM LIFE



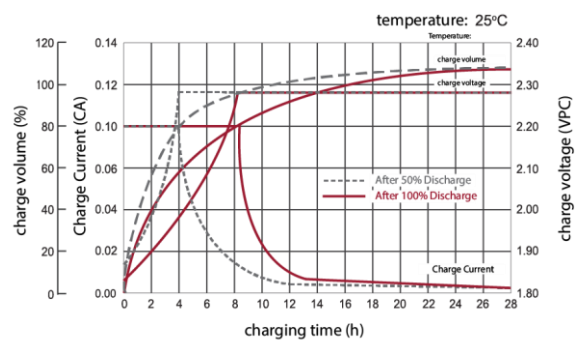
CHARGE CHARACTERISTIC CURVE FOR STANDBY USE



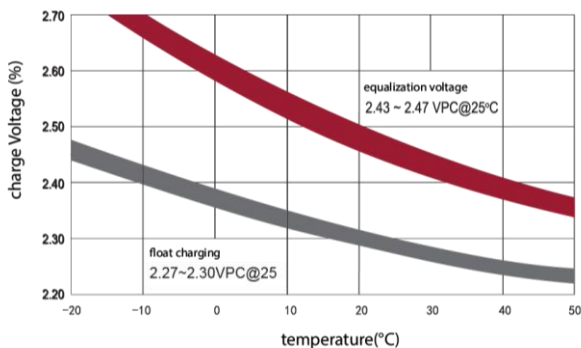
DISCHARGE CHARACTERISTICS CURVE



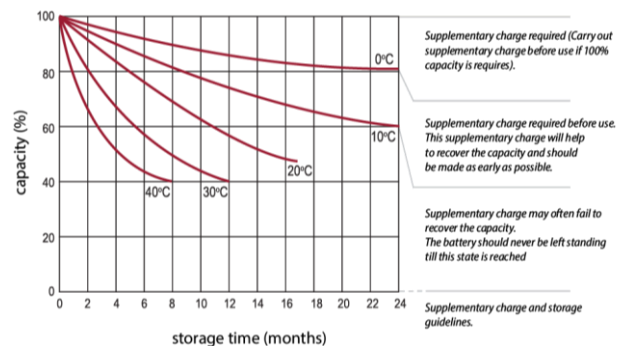
CHARGE CHARACTERISTIC CURVE FOR CYCLE USE



RELATIONSHIP BETWEEN CHARGING VOLTAGE AND TEMPERATURE



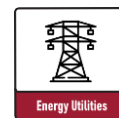
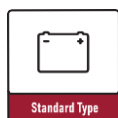
STORAGE CHARACTERISTICS



**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



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

**Wamtechnik Sp. z o.o.** ul. Techniczna 2 bud. H 05-500 Piaseczno  
Tel. +48 22 701 26 00, [office@wamtechnik.pl](mailto:office@wamtechnik.pl), [www.wamtechnik.pl](http://www.wamtechnik.pl)

**WAMTECHNIK**  
ENERGY FOR IDEAS