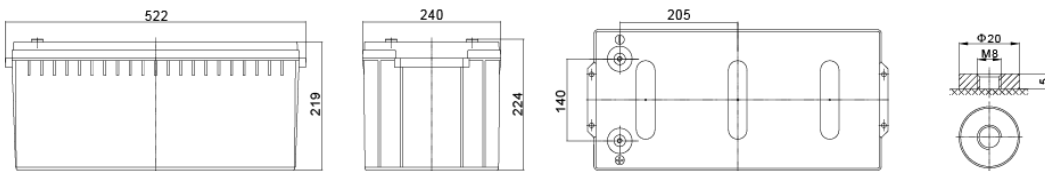




# SBCG 200-12i

<b>Nominal voltage</b>	12 V	<b>Operating temperature range</b>	Discharge -40°C ~ +60°C
<b>Nominal capacity</b>	200 Ah @ C20 to 1,75 V/cell		Charge -20°C ~ +50°C
			Storage -40°C ~ +60°C
<b>Technology</b>	Electrolyte – GEL VRLA (Valve Regulated Lead Acid)	<b>Maximum discharge current</b>	2000 A (5 sec)
		<b>Maximum charging current</b>	40 A
<b>Weight</b>	~ 60 kg	<b>Charging voltage</b>	Standby use 13,6 ~ 13,8 VDC Cycle use 14,2 ~ 14,4 VDC
<b>Design life time</b>	15 years (standby use) Very Long Life wg Eurobat	<b>Self discharge</b>	Monthly is less than 2% at 25°C
<b>Internal resistance</b>	~ 5,2 mΩ (full charged)	<b>Container material</b>	ABS UL94HB (optional UL94-V0)



<b>Length</b>	522 ±2 mm
<b>Width</b>	240 ±2 mm
<b>Height</b>	219 ±2 mm
<b>Total height</b>	224 ±2 mm
<b>Terminal types</b>	Internal thread M8 (breaking torque 10-12Nm)

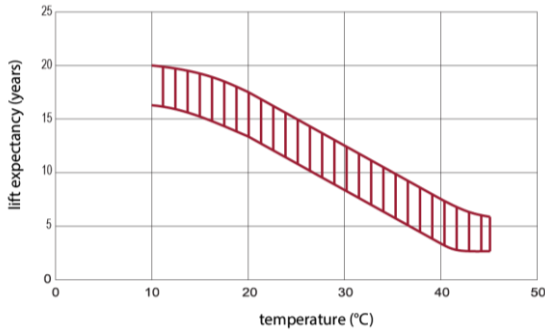
## CONSTANT CURRENT DISCHARGE CHARACTERISTICS (A at 25°C)

Voltage/Time	10 MIN	15 MIN	30 MIN	60 MIN	2 H	3 H	4 H	5 H	8 H	10 H	20 H
1.60V	327,4	265,5	174,2	108,6	66,4	49,7	39,7	33,3	18,6	18,6	10,4
1.65V	309,4	253,9	167,3	104,9	64,2	48,2	38,6	32,4	18,3	18,3	10,2
1.70V	284,9	237,8	159,9	101,5	62,1	46,9	37,6	31,6	18,1	18,1	10,1
1.75V	260,7	221,3	152,8	97,8	60,0	45,5	36,6	30,8	17,8	17,8	10,0
1.80V	236,0	204,3	146,1	94,0	57,8	44,1	35,6	30,0	17,6	17,6	9,9
1.85V	192,9	169,5	125,8	84,3	53,0	40,8	33,0	28,0	16,6	16,6	9,4

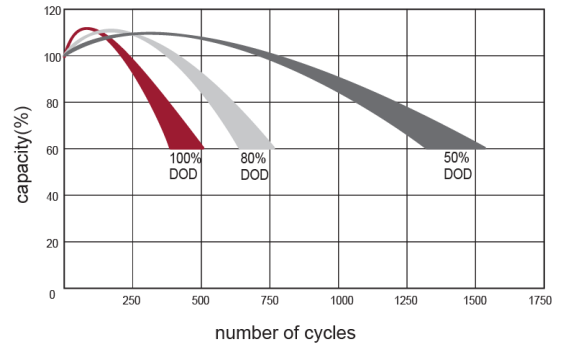
## CONSTANT POWER DISCHARGE CHARACTERISTICS (W/cell at 25°C)

Voltage/Time	10 MIN	15 MIN	30 MIN	60 MIN	2 H	3 H	4 H	5 H	8 H	10 H	20 H
1.60V	632,5	527,5	359,6	231,9	142,9	108,0	86,6	72,9	50,0	41,5	23,3
1.65V	601,8	507,0	348,2	225,6	139,1	105,3	84,6	71,3	49,4	41,0	23,0
1.70V	571,1	486,5	336,8	219,3	135,2	102,7	82,6	69,7	48,8	40,5	22,7
1.75V	532,2	459,3	325,2	212,6	131,1	100,0	80,8	68,2	48,3	40,0	22,5
1.80V	490,2	430,1	314,0	205,6	127,0	97,3	78,7	66,7	47,6	39,5	22,3
1.85V	407,7	362,0	273,1	185,5	117,0	90,4	73,5	62,4	44,7	37,3	21,2

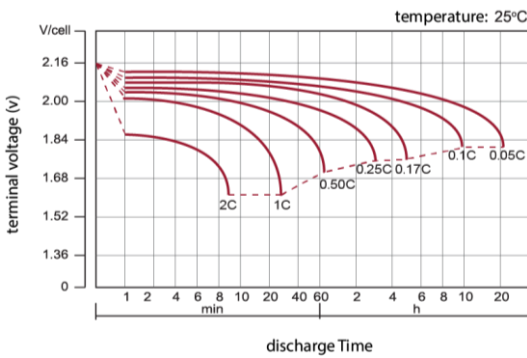
EFFECT OF TEMPERATURE ON LONG TERM LIFE



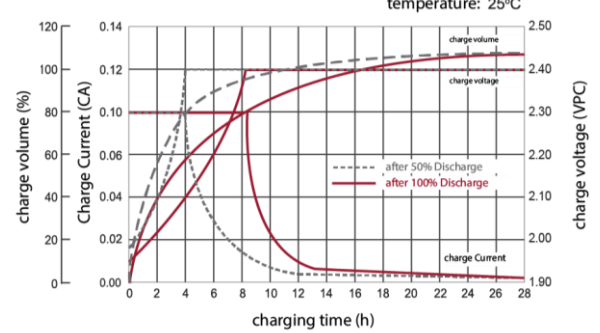
CYCLE LIFE IN RELATION TO DEPTH OF DISCHARGE



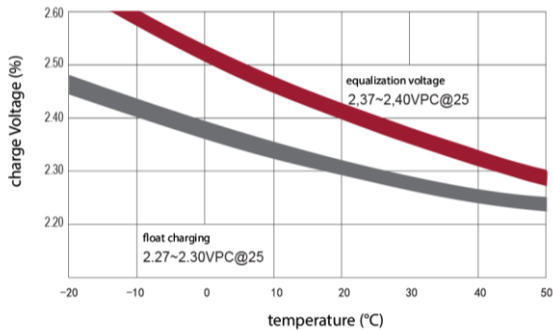
DISCHARGE CHARACTERISTICS CURVE



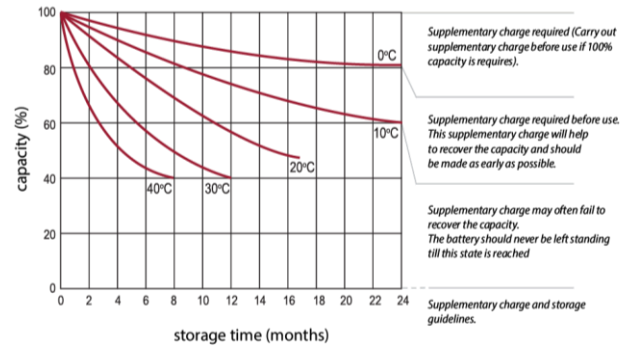
CHARGE CHARACTERISTIC CURVE FOR CYCLE USE



RELATIONSHIP BETWEEN CHARGING VOLTAGE AND TEMPERATURE



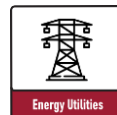
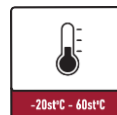
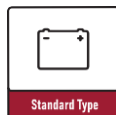
STORAGE CHARACTERISTICS



**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.