

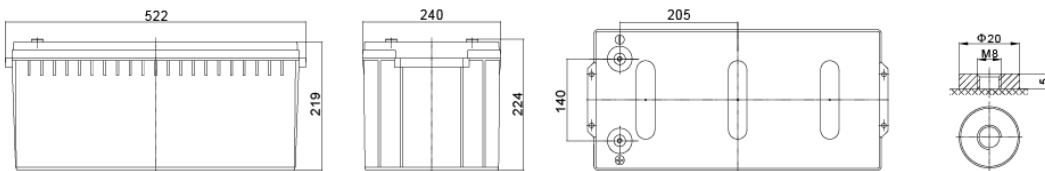


SBCG 200-12i



Nominal voltage	12 V
Nominal capacity	200 Ah @ C20 to 1,75 V/cell
Technology	Electrolyte – GEL VRLA (Valve Regulated Lead Acid)
Weight	~ 60 kg
Design life time	15 years (standby use) Very Long Life wg Eurobat
Internal resistance	~ 5,2 mΩ (full charged)

Operating temperature range	Discharge -40°C ~ +60°C
	Charge -20°C ~ +50°C
	Storage -40°C ~ +60°C
Maximum discharge current	2000 A (5 sec)
Maximum charging current	40 A
Charging voltage	Standby use 13,6 ~ 13,8 VDC
	Cycle use 14,2 ~ 14,4 VDC
Self discharge	Monthly is less than 2% at 25°C
Container material	ABS UL94HB (optional UL94-V0)



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

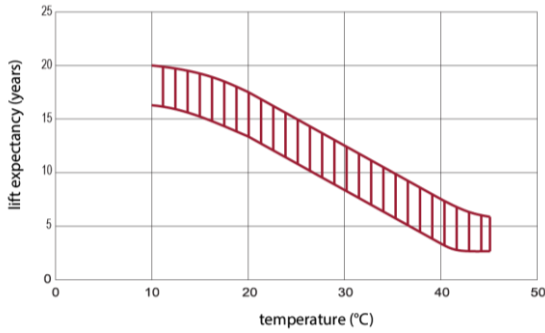
CONSTANT CURRENT DISCHARGE CHARACTERISTICS (A at 25°C)

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	33,30	18,60	18,60	10,40
1.65V	309,4	253,9	167,3	104,9	64,2	48,2	38,6	32,40	18,30	18,30	10,20
1.70V	284,9	237,8	159,9	101,5	62,1	46,9	37,6	31,60	18,10	18,10	10,10
1.75V	260,7	221,3	152,8	97,8	60,0	45,5	36,6	30,80	17,80	17,80	10,00
1.80V	236,0	204,3	146,1	94,0	57,8	44,1	35,6	30,00	17,60	17,60	9,90
1.85V	192,9	169,5	125,8	84,3	53,0	40,8	33,0	28,00	16,60	16,60	9,40

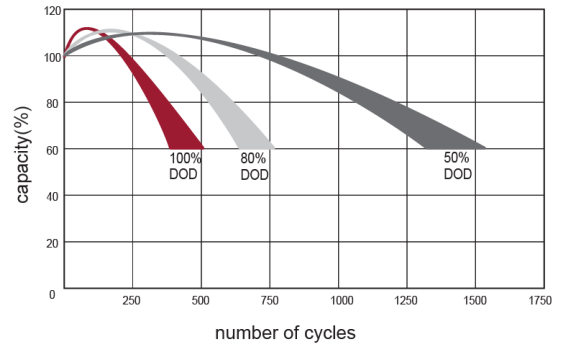
CONSTANT POWER DISCHARGE CHARACTERISTICS (W/cell at 25°C)

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	556,6	464,2	316,5	204,1	125,8	95,0	76,2	64,20	44,00	36,50	20,50
1.65V	529,6	446,2	306,4	198,5	122,4	92,7	74,4	62,80	43,50	36,10	20,20
1.70V	502,6	428,2	296,4	193,0	119,0	90,4	72,7	61,30	43,00	35,60	20,00
1.75V	468,3	404,2	286,2	187,1	115,4	88,0	71,1	60,00	42,50	35,20	19,80
1.80V	431,3	378,5	276,3	180,9	111,8	85,6	69,3	58,70	41,80	34,80	19,60
1.85V	358,8	318,6	240,4	163,3	103,0	79,5	64,6	54,90	39,40	32,80	18,60

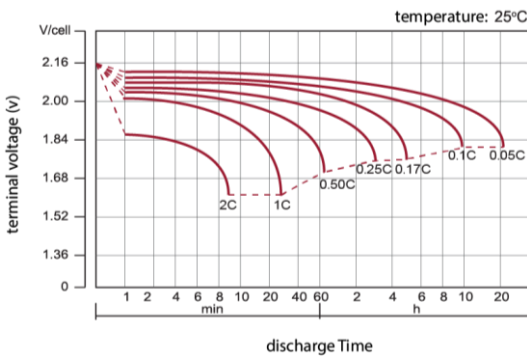
EFFECT OF TEMPERATURE ON LONG TERM LIFE



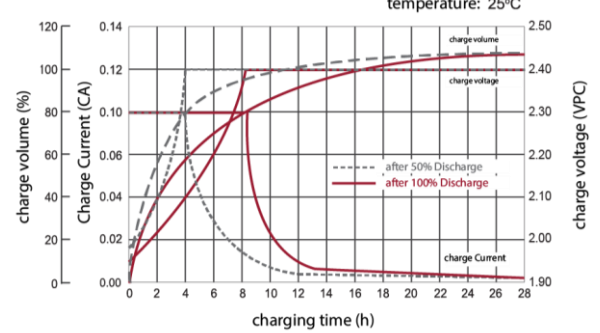
CYCLE LIFE IN RELATION TO DEPTH OF DISCHARGE



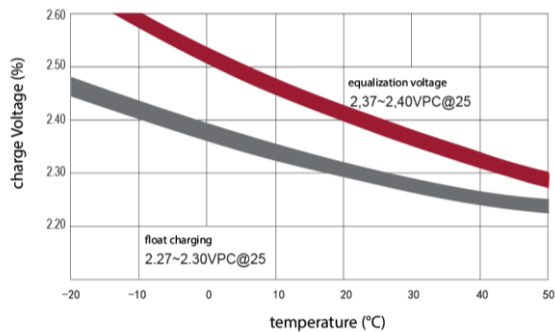
DISCHARGE CHARACTERISTICS CURVE



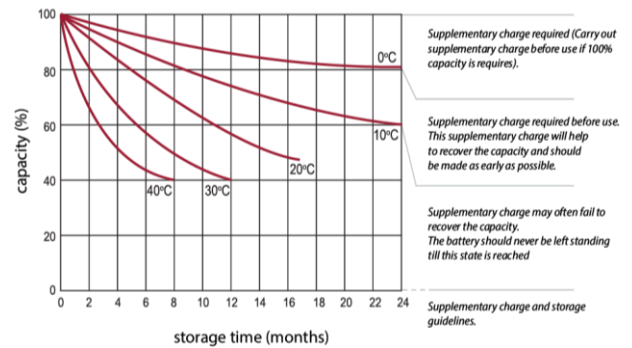
CHARGE CHARACTERISTIC CURVE FOR CYCLE USE



RELATIONSHIP BETWEEN CHARGING VOLTAGE AND TEMPERATURE



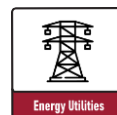
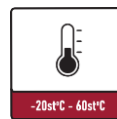
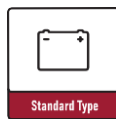
STORAGE CHARACTERISTICS



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.