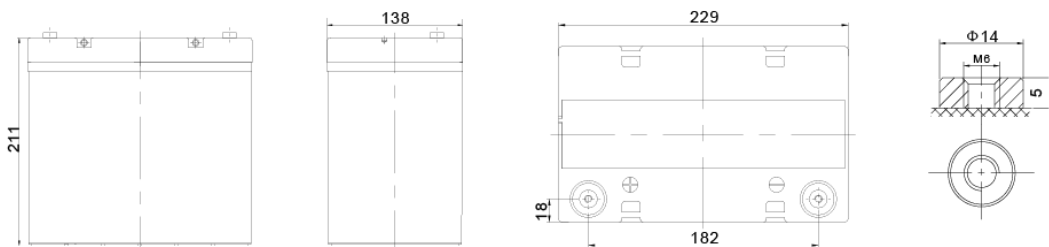




# SBCG 55-12i

Nominal voltage	12 V
Nominal capacity	55 Ah @ C20 to 1,75 V/cell
Technology	Electrolyte – GEL VRLA (Valve Regulated Lead Acid)
Weight	~ 16,5 kg
Design life time	15 years (standby use) Very Long Life wg Eurobat
Internal resistance	~ 11,5 mΩ (full charged)

Operating temperature range	Discharge -40°C ~ +60°C
	Charge -20°C ~ +50°C
	Storage -40°C ~ +60°C
Maximum discharge current	550 A (5 sec)
Maximum charging current	11 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	229 ± 2 mm
Width	138 ± 2 mm
Height	211 ± 2 mm
Total height	216 ± 2 mm
Terminal types	Internal thread M6 (breaking torque 8-10Nm)

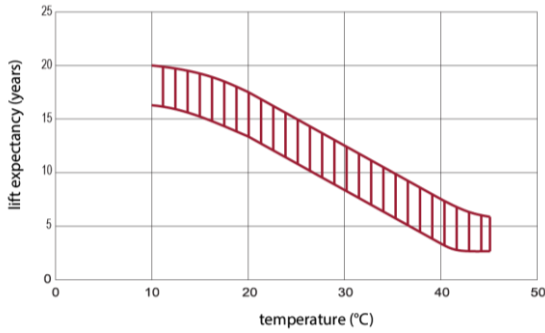
## CONSTANT CURRENT DISCHARGE CHARACTERISTICS (A at 25°C)

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	90,0	73,0	47,9	29,9	18,2	13,7	10,90	9,16	6,19	5,11	2,86
1.65V	85,1	69,8	46,0	28,8	17,7	13,3	10,60	8,92	6,12	5,04	2,82
1.70V	78,3	65,4	44,0	27,9	17,1	12,9	10,30	8,69	6,03	4,97	2,78
1.75V	71,7	60,9	42,0	26,9	16,5	12,5	10,10	8,47	5,94	4,90	2,75
1.80V	64,9	56,2	40,2	25,9	15,9	12,1	9,78	8,25	5,84	4,84	2,72
1.85V	53,0	46,6	34,6	23,2	14,6	11,2	9,09	7,69	5,48	4,56	2,58

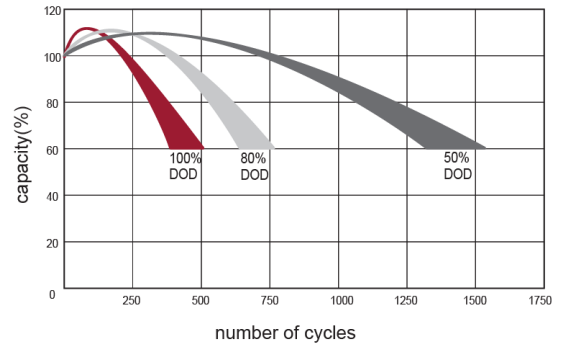
## CONSTANT POWER DISCHARGE CHARACTERISTICS (W/cell at 25°C)

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	173,9	145,1	98,9	63,8	39,3	29,7	23,8	20,1	13,7	11,4	6,40
1.65V	165,5	139,4	95,8	62,0	38,2	29,0	23,3	19,6	13,6	11,3	6,32
1.70V	157,1	133,8	92,6	60,3	37,2	28,2	22,7	19,2	13,4	11,1	6,24
1.75V	146,4	126,3	89,4	58,5	36,0	27,5	22,2	18,8	13,3	11,0	6,18
1.80V	134,8	118,3	86,3	56,5	34,9	26,8	21,7	18,3	13,1	10,9	6,12
1.85V	112,1	99,6	75,1	51,0	32,2	24,9	20,2	17,2	12,3	10,2	5,82

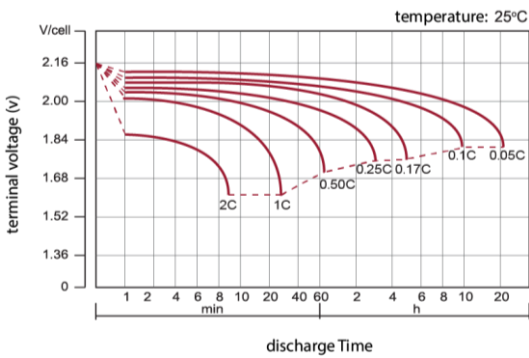
EFFECT OF TEMPERATURE ON LONG TERM LIFE



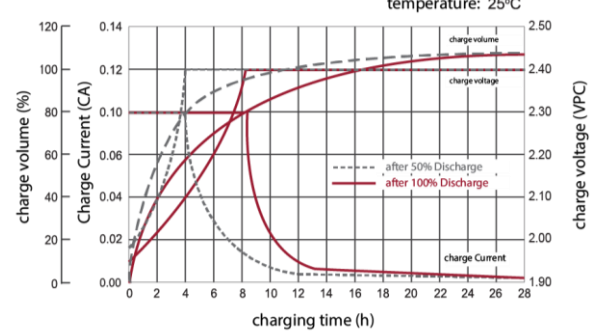
CYCLE LIFE IN RELATION TO DEPTH OF DISCHARGE



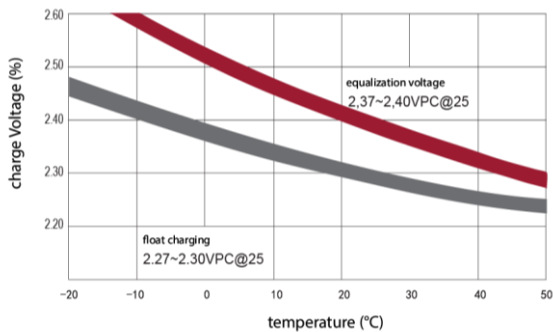
DISCHARGE CHARACTERISTICS CURVE



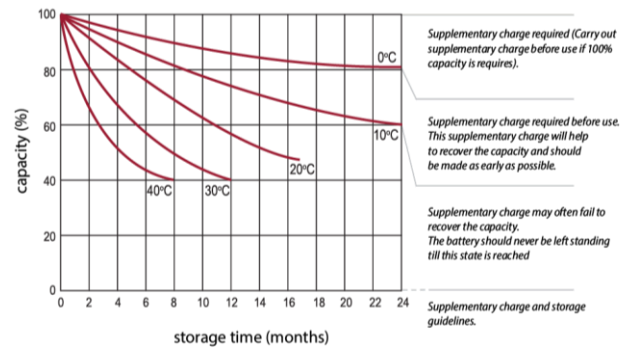
CHARGE CHARACTERISTIC CURVE FOR CYCLE USE



RELATIONSHIP BETWEEN CHARGING VOLTAGE AND TEMPERATURE



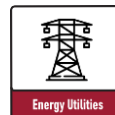
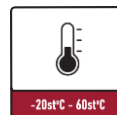
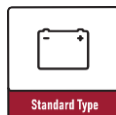
STORAGE CHARACTERISTICS



**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.