

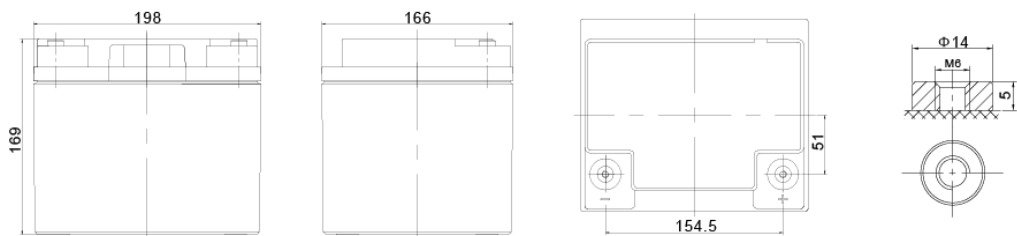


SBCG 40-12i



Nominal voltage	12 V
Nominal capacity	40 Ah @ C20 to 1,75 V/cell
Technology	Electrolyte – GEL VRLA (Valve Regulated Lead Acid)
Weight	~ 13 kg
Design life time	15 years (standby use) Very Long Life wg Eurobat
Internal resistance	~ 12,4 mΩ (full charged)

Operating temperature range	Discharge -40°C ~ +60°C
	Charge -20°C ~ +50°C
	Storage -40°C ~ +60°C
Maximum discharge current	400 A (5 sec)
Maximum charging current	8 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	198 ±2 mm
Width	166 ±2 mm
Height	169 ±2 mm
Total height	169 ±2 mm
Terminal types	Internal thread M6 (breaking torque 8-10Nm)

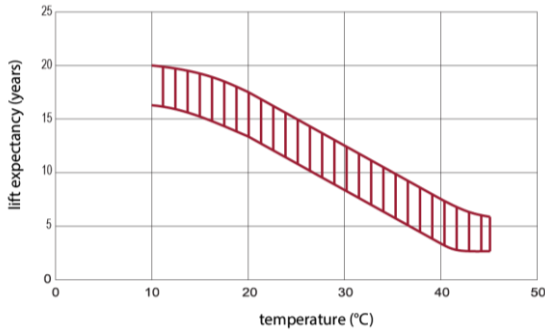
CONSTANT CURRENT DISCHARGE CHARACTERISTICS (A at 25°C)

Napięcie/Czas	10 MIN	15 MIN	30 MIN	60 MIN	2 H	3 H	4 H	5 H	8 H	10 H	20 H
1.60V	65,5	53,1	34,8	21,7	13,3	10,0	7,9	6,66	4,50	3,71	2,08
1.65V	61,9	50,8	33,5	21,0	12,8	9,6	7,7	6,49	4,45	3,67	2,05
1.70V	57,0	47,6	32,0	20,3	12,4	9,4	7,5	6,32	4,38	3,61	2,02
1.75V	52,1	44,3	30,6	19,6	12,0	9,1	7,3	6,16	4,32	3,57	2,00
1.80V	47,2	40,9	29,2	18,8	11,6	8,8	7,1	6,00	4,25	3,52	1,98
1.85V	38,6	33,9	25,2	16,9	10,6	8,2	6,6	5,60	3,99	3,31	1,88

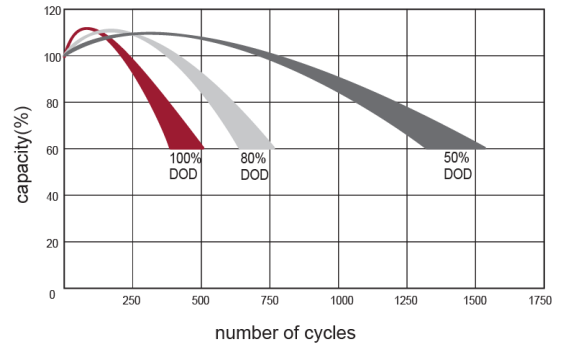
CONSTANT POWER DISCHARGE CHARACTERISTICS (W/cell at 25°C)

Napięcie/Czas	10 MIN	15 MIN	30 MIN	60 MIN	2 H	3 H	4 H	5 H	8 H	10 H	20 H
1.60V	111,3	92,8	63,3	40,8	25,2	19,00	15,20	12,80	8,79	7,30	4,10
1.65V	105,9	89,2	61,3	39,7	24,5	18,50	14,90	12,60	8,70	7,21	4,05
1.70V	100,5	85,6	59,3	38,6	23,8	18,10	14,50	12,30	8,60	7,12	4,00
1.75V	93,7	80,8	57,2	37,4	23,1	17,60	14,20	12,00	8,49	7,04	3,95
1.80V	86,3	75,7	55,3	36,2	22,4	17,10	13,90	11,70	8,37	6,96	3,92
1.85V	71,8	63,7	48,1	32,7	20,6	15,90	12,90	11,00	7,88	6,56	3,73

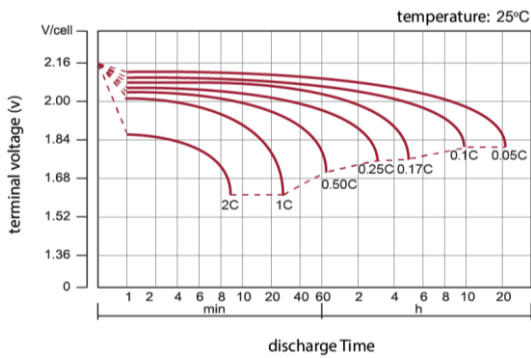
EFFECT OF TEMPERATURE ON LONG TERM LIFE



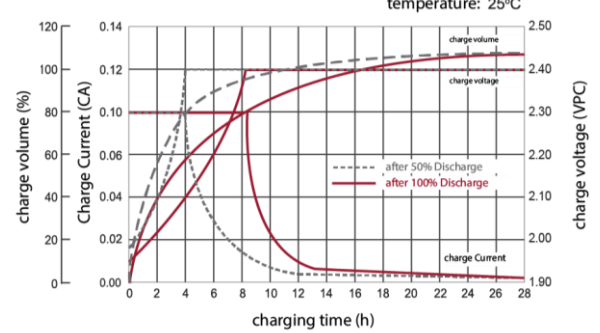
CYCLE LIFE IN RELATION TO DEPTH OF DISCHARGE



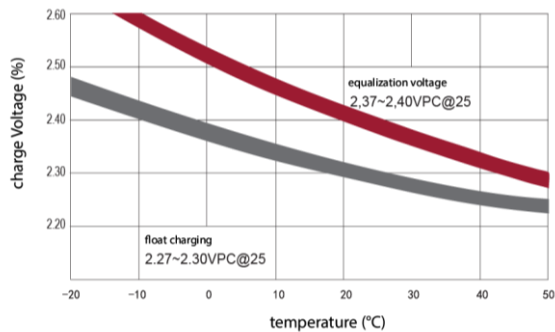
DISCHARGE CHARACTERISTICS CURVE



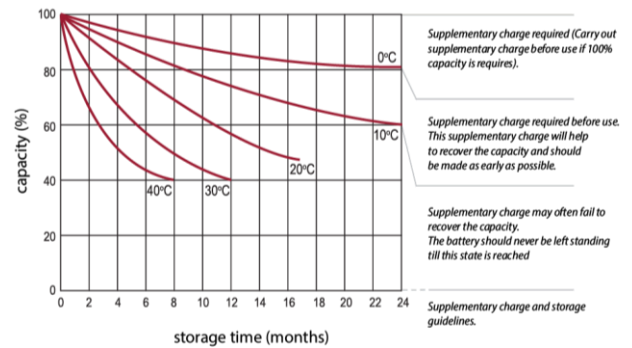
CHARGE CHARACTERISTIC CURVE FOR CYCLE USE



RELATIONSHIP BETWEEN CHARGING VOLTAGE AND TEMPERATURE



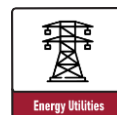
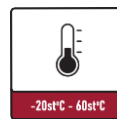
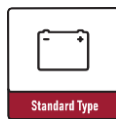
STORAGE CHARACTERISTICS



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



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