

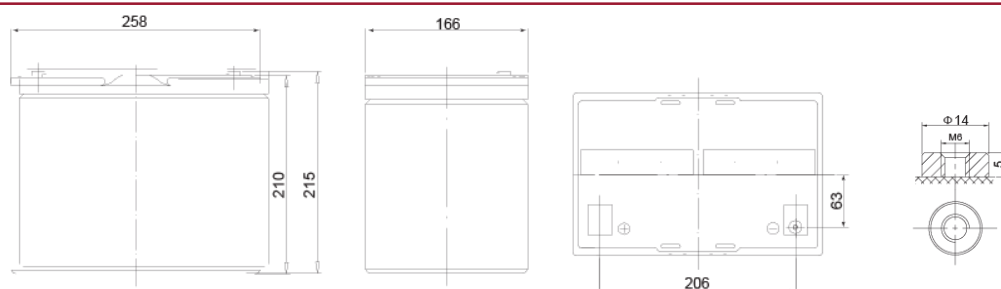


# SBL 85-12i



Nominal voltage	12 V
Nominal capacity	85 Ah @ C20 to 1,75 V/cell
	75 Ah @ C10 to 1,80 V/cell
Technology	AGM (Absorbent Glass Mat)
	VRLA (Valve Regulated Lead Acid)
Weight	~ 24 kg
Projektowana żywotność	12 lat (standby use) Long Life acc. Eurobat
Rezystancja wewnętrzna	~ 5,7 mΩ ((full charged)

Operating temperature range	Discharge -20°C ~ +60°C
	Charge 0°C ~ +50°C
	Storage -20°C ~ +60°C
Max. discharge current	700 A (5 sec)
Short circuit current	1800 A
Max. charging current	22,5 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	258 ±2 mm
Width	166 ±2 mm
Height	206 ±2 mm
Total height	211 ±2 mm
Internal thread M6 (breaking torque 8-10 Nm)	

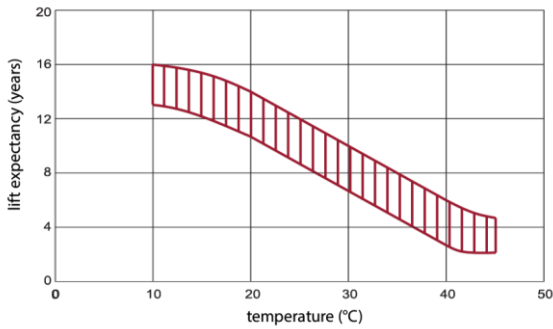
## CONSTANT CURRENT DISCHARGE CHARACTERISTICS (A at 25°C)

Voltage/Time	10 MIN	15 MIN	30 MIN	60 MIN	2 H	3 H	4 H	5 H	8 H	10 H	20 H
1.60 V	182,0	140,0	83,4	51,2	28,9	22,1	17,1	14,4	9,4	7,67	4,31
1.65 V	172,0	134,0	79,9	48,5	27,9	21,7	16,8	14,2	9,3	7,65	4,30
1.70 V	161,0	124,0	78,5	47,8	27,5	21,3	16,6	14,0	9,2	7,60	4,26
1.75 V	154,0	119,0	75,1	46,2	26,8	20,9	16,2	13,6	9,1	7,55	4,25
1.80 V	142,0	114,0	74,6	44,3	25,7	20,1	15,7	13,4	9,0	7,50	4,21
1.85 V	135,0	110,0	71,2	42,6	24,7	19,2	15,1	13,2	8,6	7,40	4,04

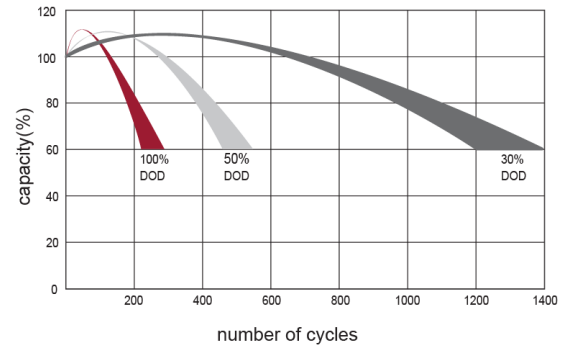
## CONSTANT POWER DISCHARGE CHARACTERISTICS (W/cell at 25°C)

Voltage/Time	10 MIN	15 MIN	30 MIN	60 MIN	2 H	3 H	4 H	5 H	8 H	10 H	20 H
1.60 V	320,0	251,0	161,0	97,6	54,1	41,0	31,8	27,3	18,4	15,40	7,75
1.65 V	306,0	246,0	156,0	95,5	52,8	40,0	31,3	27,1	18,1	15,00	7,57
1.70 V	296,0	242,0	148,0	91,6	51,6	39,7	30,8	26,5	17,6	14,70	7,50
1.75 V	279,0	227,0	145,0	88,2	50,3	39,1	30,6	26,5	17,5	14,50	7,44
1.80 V	266,0	216,0	144,0	85,9	49,6	38,8	30,4	26,3	17,1	14,10	7,41
1.85 V	250,6	203,5	135,4	80,8	47,6	36,5	29,2	24,8	16,1	13,25	7,11

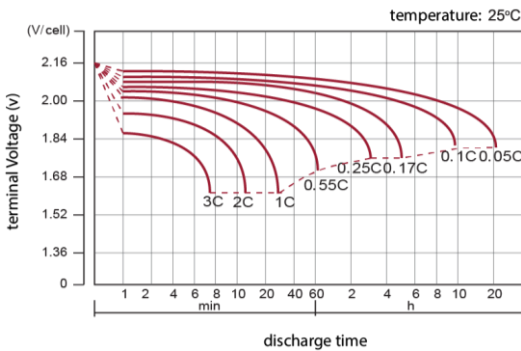
EFFECT OF TEMPERATURE ON LONG TERM LIFE



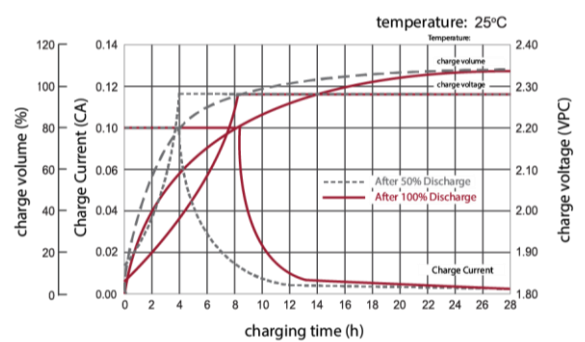
CYCLE LIFE IN RELATION TO DEPTH OF DISCHARGE



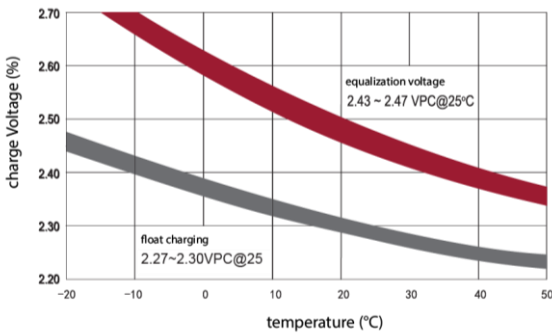
DISCHARGE CHARACTERISTICS CURVE



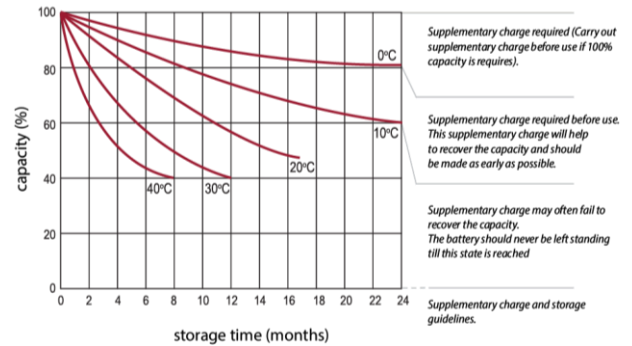
CHARGE CHARACTERISTIC CURVE FOR CYCLE USE



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

AGM Technology	VRLA Maintenance Free	Standard Type	-20st°C - 60st°C	Recyclable	10-12 Years Life Expect. EUROBAT
UPS	Emergency Lighting	Fire Alarm Systems	Security Systems	Energy Utilities	DC Power Supply

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