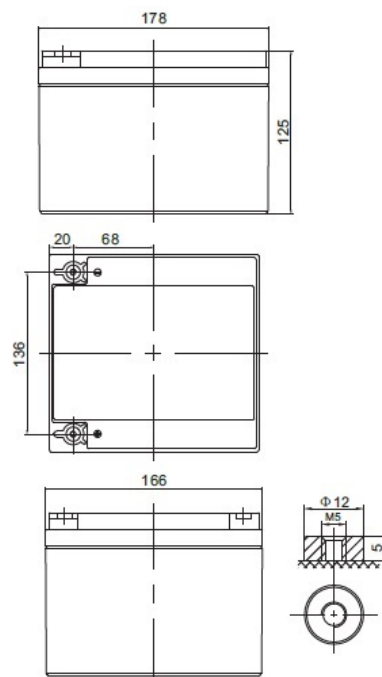


# SBL 31-12HR

(12V 801W)

Nominal voltage	12 V	
Nominal capacity	801 W / 10min to 1,67 V/cell 26 Ah @ C20 to 1,75 V/cell	
Dimensions	Length	178 mm
	Width	166 mm
	Height / Total height	125 / 125 mm
Weight	~ 8,6 kg	
Technology	VRLA (Valve Regulated Lead Acid) AGM (Absorbent Glass Mat)	
Design life time	10-12 years (standby use)	
Internal resistance	~ 8,0 mΩ (full charged)	
Operating temperature range	Discharge	-20°C ~ +60°C
	Charge	0°C ~ +50°C
	Storage	-20°C ~ +60°C
Maximum discharge current	260 A (5 sec.)	
Short circuit current	980 A	
Recommended maximum charging current	7,8 A	
Charging voltage	Standby use	13,7 ~ 13,9 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)	
Terminal types	Internal thread M5 (breaking torque 6-7 Nm)	



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

Voltage / Time	5 min	8 min	10 min	15 min	20 min	30 min	60 min	90 min
9.6 V	103,92	86,40	76,23	58,93	47,70	34,92	20,36	14,84
10.0 V	96,16	81,05	71,52	55,86	44,49	33,29	19,41	14,13
10.2 V	92,16	78,20	68,94	54,13	42,79	32,35	18,85	13,70
10.5 V	87,04	74,29	64,73	51,60	41,62	31,44	18,54	13,40
10.8 V	81,87	70,38	60,50	49,01	40,39	30,47	18,17	13,07
11.1 V	76,40	66,17	56,09	46,22	38,98	29,35	17,74	12,68

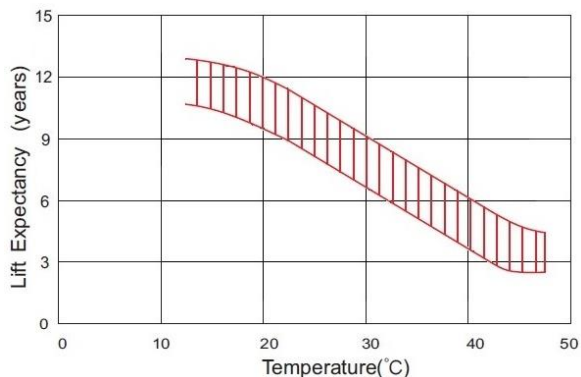
## CONSTANT POWER DISCHARGE CHARACTERISTICS (W at 25°C)

Voltage / Time	5 min	8 min	10 min	15 min	20 min	30 min	60 min	90 min
9.6 V	1129,3	952,6	845,5	657,6	526,0	386,0	226,0	165,3
10.0 V	1055,1	902,3	801,1	629,4	495,4	371,5	217,4	158,9
10.2 V	1023,3	881,0	781,2	617,2	482,2	365,3	213,7	156,0
10.5 V	978,6	847,6	742,9	595,7	474,9	359,5	212,8	154,4
10.8 V	933,7	814,5	704,5	574,0	467,5	353,5	211,6	152,8
11.1 V	889,0	781,5	666,2	552,4	460,4	347,4	210,8	151,3

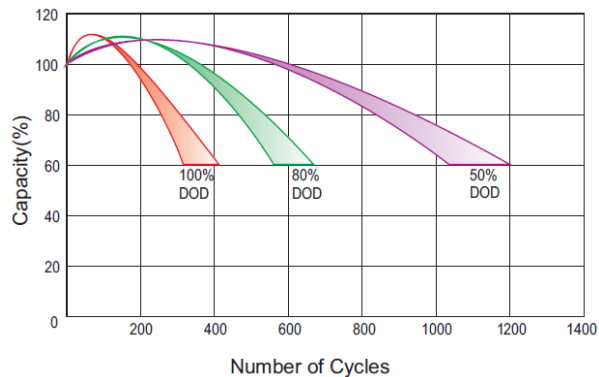
## According with:

PN-EN 60896-21:2007	ISO 9001
PN-EN 60896-22:2007	ISO 14001
PN-EN 61056-1:2013	
PN-EN 61056-2:2013	
PN-E-83016:1999	

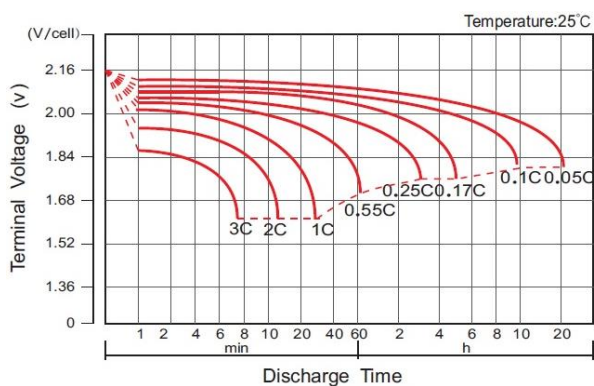
## EFFECT OF TEMPERATURE ON LONG TERM LIFE



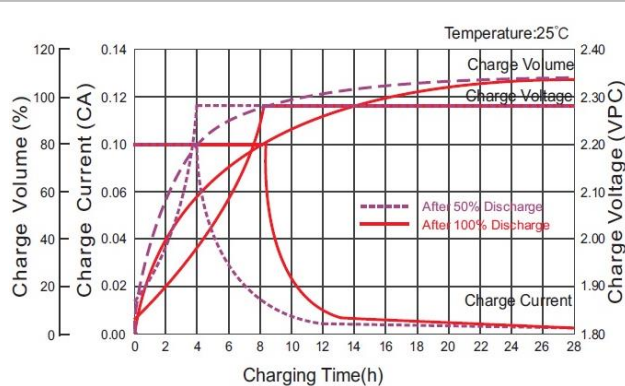
## CYCLE LIFE IN RELATION TO DEPTH OF DISCHARGE



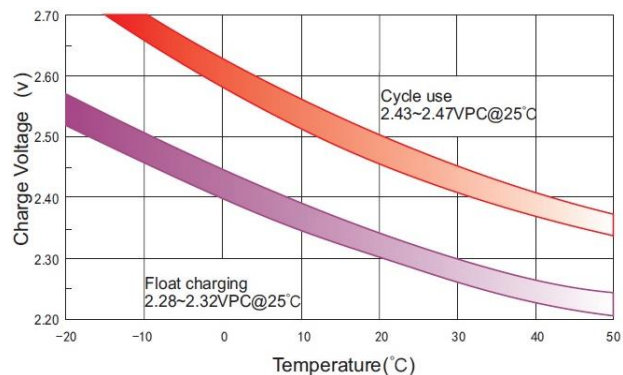
## DISCHARGE CHARACTERISTICS



## CHARGE CHARACTERISTIC FOR STANDBY USE



## RELATIONSHIP BETWEEN CHARGING VOLTAGE AND TEMPERATURE



## STORAGE CHARACTERISTICS

