

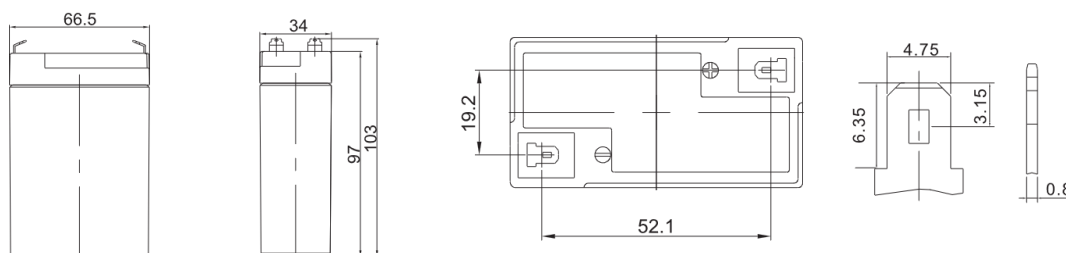


# SB 3-6



Nominal voltage	6 V
Nominal capacity	3,0 Ah @ C20 to 1,75 V/cell
Technology	AGM (Absorbent Glass Mat) VRLA (Valve Regulated Lead Acid)
Weight	~ 0,53 kg
Design life time	6-9 years (standby use) General Purpose acc. Eurobat
Internal resistance	~ 32 mΩ (full charged)

Operating temperature range	Discharge -20°C ~ +60°C
	Charge 0°C ~ +50°C
	Storage -20°C ~ +60°C
Max. discharge current	28 A (5 sec)
Short circuit current	146 A
Max. charging current	0,84 A
Charging voltage	Standby use 6,85 ~ 6,94 VDC
	Cycle use 7,30 ~ 7,40 VDC
Self discharge	Monthly is less than 3% at 25°C
Container material	ABS UL94HB (optional UL94-V0)



Length	66,5 ±1,5 mm
Width	34 ±1,5 mm
Height	97 ±1,5 mm
Total height	103 ±1,5 mm
Terminal types	fast-on 4,8 mm

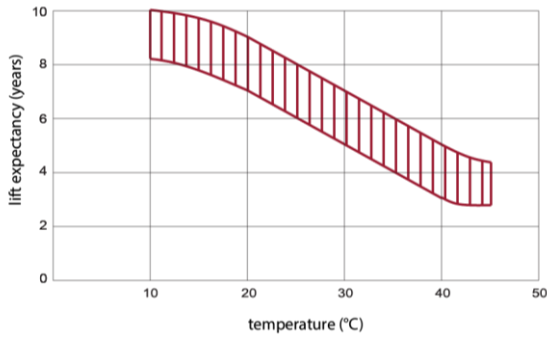
## CONSTANT CURRENT DISCHARGE CHARACTERISTICS (A at 25°C)

Voltage / Time	5MIN	10MIN	15MIN	30MIN	1H	2H	3H	4H	5H	8H	10H	20H
1.60 V	10.62	7.508	5.427	3.117	1.711	1.050	0.790	0.637	0.528	0.340	0.276	0.146
1.65 V	9.879	7.095	5.189	2.993	1.652	1.017	0.765	0.620	0.514	0.336	0.273	0.143
1.70 V	8.914	6.532	4.860	2.861	1.598	0.983	0.744	0.603	0.501	0.331	0.269	0.142
1.75 V	7.986	5.979	4.523	2.734	1.540	0.949	0.722	0.588	0.488	0.326	0.265	0.150
1.80 V	7.012	5.412	4.176	2.613	1.481	0.915	0.700	0.571	0.476	0.321	0.262	0.139
1.85 V	5.566	4.423	3.465	2.251	1.328	0.838	0.647	0.531	0.444	0.301	0.246	0.132

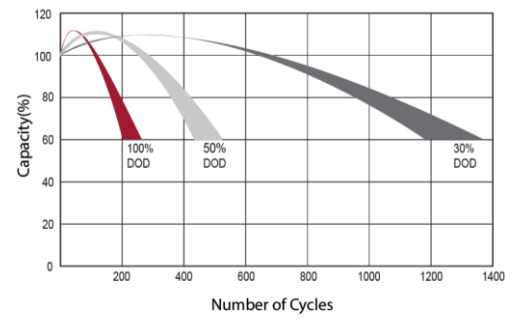
## CONSTANT POWER DISCHARGE CHARACTERISTICS (W/cell at 25°C)

Voltage / Time	5MIN	10MIN	15MIN	30MIN	1H	2H	3H	4H	5H	8H	10H	20H
1.60 V	17.61	12.76	9.488	5.662	3.215	1.991	1.508	1.224	1.018	0.664	0.543	0.287
1.65 V	16.57	12.29	9.206	5.493	3.122	1.937	1.468	1.195	0.995	0.658	0.537	0.283
1.70 V	15.29	11.52	8.751	5.303	3.040	1.883	1.434	1.167	0.973	0.649	0.529	0.280
1.75 V	14.00	10.74	8.262	5.121	2.946	1.826	1.397	1.142	0.952	0.641	0.523	0.277
1.80 V	12.55	9.890	7.736	4.944	2.850	1.769	1.359	1.113	0.930	0.632	0.517	0.274
1.85 V	10.18	8.227	6.511	4.300	2.572	1.630	1.262	1.038	0.871	0.595	0.488	0.261

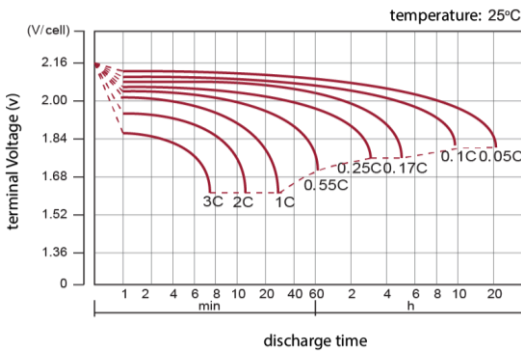
EFFECT OF TEMPERATURE ON LONG TERM LIFE



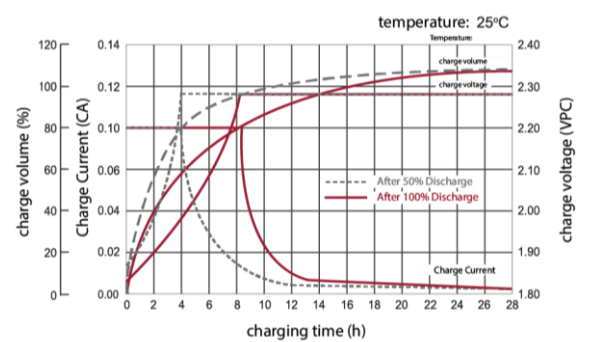
CYCLE LIFE IN RELATION TO DEPTH OF DISCHARGE



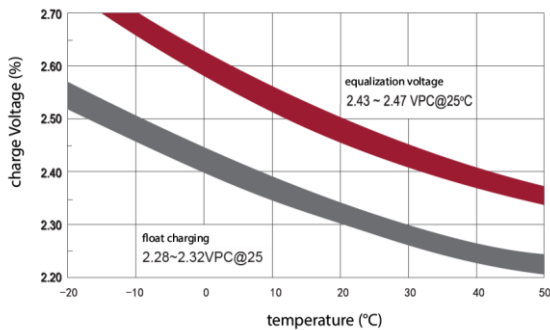
DISCHARGE CHARACTERISTICS CURVE



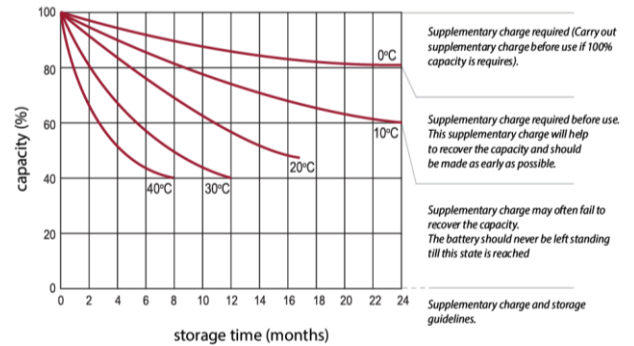
CHARGE CHARACTERISTIC CURVE FOR CYCLE USE



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	6-9 Years Life Expect. EUROBAT
UPS	Emergency Lighting	Fire Alarm System	Security Systems	Energy Utilities	DC Power Supply

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