

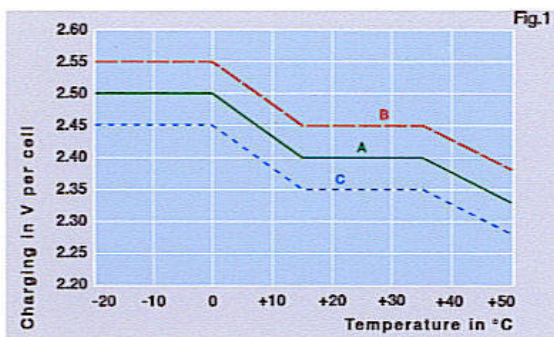
Specifications

- The success of A500 batteries comes from the internationally superior dryfit technology
- Excellent energy storage capacity combined with high reliability
- Maintenance-free (no topping up) during the whole service life due to the Sonnenschein dryfit technology
- Nominal capacity 1.2 – 200 Ah C_{20}
- 7 years design life at 20°C ambient temperature (80% remaining capacity from C_{20})
- Grid plate construction consisting of a lead calcium alloy
- Very low gassing due to the internal gas recombination
- Shelf life up to 2 years at 20°C without recharge due to the very low self discharge rate
- Short recharging time
- Proof against deep discharge according to DIN 43 539 T5
- Trouble-free transportation of operational blocks, no restrictions for rail, road, sea and air transportation (IATA, DGR clause A 67)
- Completely recyclable



Technical characteristics and data

Type	Part number	Nominal voltage V	Nominal capacity C_{100} 1.8 V/C Ah	Discharge current I_{100} A	Length (l) max. mm	Width (b/w) max. mm	Height up to top of cover (h1) max. mm	Height incl. con- nectors (h2) max. mm	Weight approx. kg	Terminal	Ter- minal posi- tion
SB12/60 A	NGSB120060HS0CA	12	60	0.60	278	175	-	190	20	A-Terminal	1
SB12/75 A	NGSB120075HS0CA	12	75	0.75	330	171	214	236	28	A-Terminal	2
SB12/100 A	NGSB120100HS0CA	12	100	1.00	513	189	195	223	39	A-Terminal	3
SB12/130 A	NGSB120130HS0CA	12	130	1.30	513	223	195	223	48	A-Terminal	3
SB12/185 A	NGSB120185HS0CA	12	185	1.85	518	274	216	238	65	A-Terminal	3
SB6/200 A	NGSB060200HS0CA	6	200	2.00	190	244	254	275	31	A-Terminal	4
SB6/330 A	NGSB060330HS0CA	6	330	3.30	312	182	337	359	48	A-Terminal	4

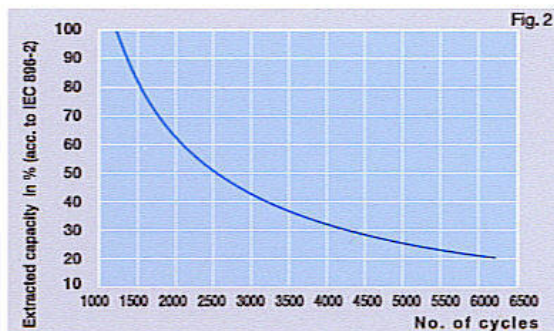
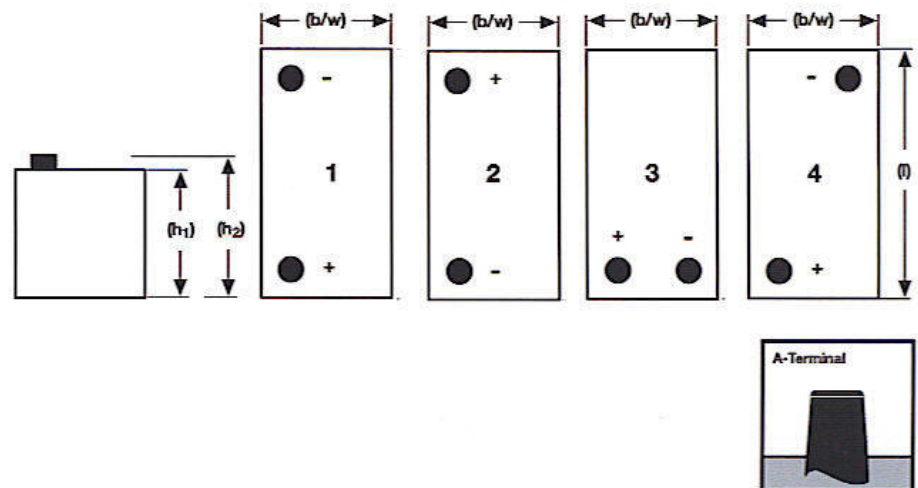


Charge mode (to Fig.1):

- 1.) with switch regulator (two-step controller)
 - charge on curve **B** (max. charge voltage) for max. 2 hrs/day
 - then switch over to continuous charge - curve **C**
- 2.) Standard charge (without switching) - curve **A**
- 3.) Boost charge (Equalizing charge with external generator)
 - charge on curve **B** for max. 5 hrs/month, then switch over to curve **C**

Type	Capacities $C_1 - C_{100}$ (20°C)				
	C_1 1.70 V/C	C_5 1.70 V/C	C_{10} 1.70 V/C	C_{20} 1.75 V/C	C_{100} 1.80 V/C
SB12/60 A	34	45	52	56	60
SB12/75 A	48	60	66	70	75
SB12/100 A	57	84	89	90	100
SB12/130 A	78	101	105	116	130
SB12/185 A	103	150	155	165	185
SB6/200 A	104	153	162	180	200
SB6/330 A	150	235	260	280	330

Drawings with terminal position, terminal and torque



(to Fig. 2)

Endurance in cycles according to IEC 896-2

Not to scale!