









# The compact alternative for smaller solar applications.

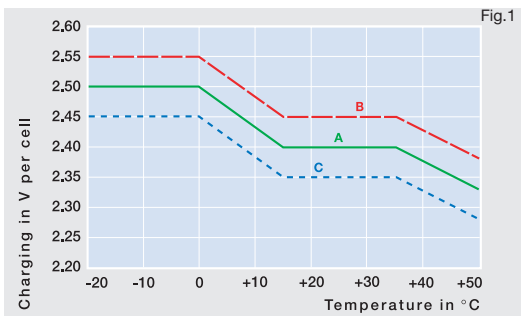
Sonnenschein Solar batteries are specially designed for small to medium performance requirements in leisure and consumer applications. The advantages of the maintenance free VRLA -batteries are enhanced by the worldwide high reputation and technical image of the dryfit technology. Typical applications are weekend and holiday houses without mains supply, street solar stations, information signs, parking meters, wireless emergency phone boxes and also other safety equipment power supplies.

 <b>VRLA</b> Valve regulated	 Grid plate
 Nominal capacity 6.6-230 Ah	 Block battery
 800 cycles * acc. to IEC 896-2	 Maintenance-free (no topping up)
 Proof against deep discharge acc. to DIN 43 539 T5	 Recyclable



## Technical characteristics and data

Type	Part number	Nominal voltage	Nominal capacity	Discharge current	Length (l) max. mm	Width (b/w) max. mm	Height up to top of cover (h1) max. mm	Height incl. connectors (h2) max. mm	Weight approx. kg	Terminal	Terminal position
		V	C <sub>100</sub> 1.8 V/C Ah	I <sub>100</sub> A							
S12/6.6 S	NGSO1206D6HS0SA	12	6.6	0.066	151.7	65.5	94.5	98.4	2.6	S-4.8	3
S12/17 G5	NGSO120017HS0BA	12	17.0	0.170	181.0	76.0	-	167.0	6.1	G-M5	1
S12/27 G5	NGSO120027HS0BA	12	27.0	0.270	167.0	176.0	-	126.0	9.7	G-M5	1
S12/32 G6	NGSO120032HS0BA	12	32.0	0.320	197.0	132.0	160.0	184.0	11.2	G-M6	2
S12/41 A	NGSO120041HS0CA	12	41.0	0.410	210.0	175.0	-	175.0	14.8	A-Terminal	1
S12/60 A	NGSO120060HS0CA	12	60.0	0.600	261.0	136.0	208.0	230.0	19.0	A-Terminal	1
S12/85 A*	NGSO120085HS0CA	12	85.0	0.850	353.0	175.0	-	190.0	27.3	A-Terminal	1
S12/90 A	NGSO120090HS0CA	12	90.0	0.900	330.0	171.0	213.0	236.0	31.3	A-Terminal	2
S12/130 A	NGSO120130HS0CA	12	130.0	1.300	286.0	269.0	208.0	230.0	39.8	A-Terminal	4
S12/230 A	NGSO120230HS0CA	12	230.0	2.300	518.0	274.0	216.0	238.0	70.0	A-Terminal	3

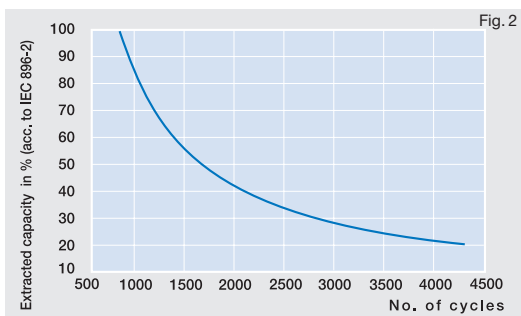
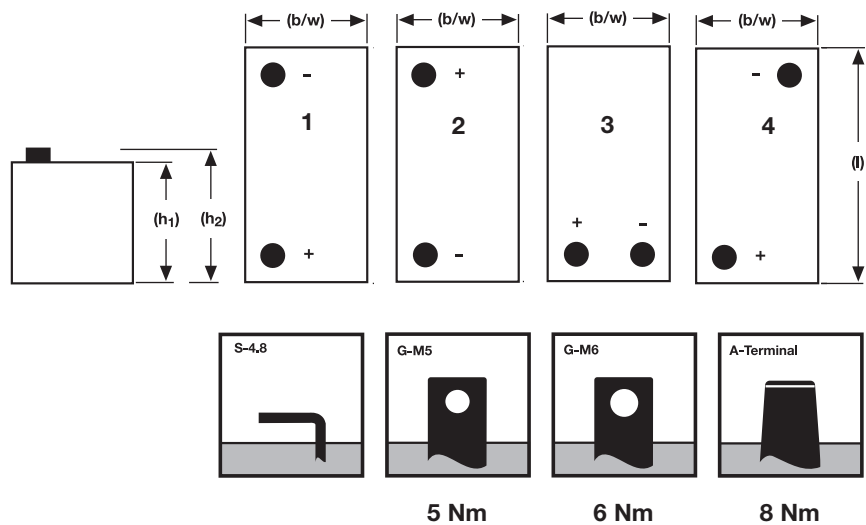


### Charge mode (to Fig. 1):

- 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**
- Standard charge (without switching) - curve **A**
- 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 <sub>1</sub> – C <sub>100</sub> (20°C)				
	C <sub>1</sub> 1.70 V/C	C <sub>5</sub> 1.70 V/C	C <sub>10</sub> 1.70 V/C	C <sub>20</sub> 1.75 V/C	C <sub>100</sub> 1.80 V/C
S12/6.6 S	2.9	4.6	5.1	5.7	6.6
S12/17 G5	9.3	12.6	14.3	15.0	17.0
S12/27 G5	15.0	22.1	23.5	24.0	27.0
S12/32 G6	16.9	24.4	27.0	28.0	32.0
S12/41 A	21.0	30.6	34.0	38.0	41.0
S12/60 A	30.0	42.5	47.5	50.0	60.0
S12/85 A	55.0	68.5	74.0	76.0	85.0
S12/90 A	50.5	72.0	78.0	84.0	90.0
S12/130 A	66.0	93.5	104.5	110.0	130.0
S12/230 A	120.0	170.0	190.0	200.0	230.0

### Drawings with terminal position, terminal and torque



### (to Fig. 2)

Endurance in cycles according to IEC 896-2

\* S12/85 A = 400 cycles

Not to scale!