

Sonnenschein Solar

Technical data sheet

Technical features:

- Nominal capacity 27-230 Ah C_{100} (20 °C)
- Long shelf life up to 17 months at 20 °C without recharge due to the very low self discharge rate
- Excellent cycling performance – 800 cycles at 60% Depth of Discharge C_{10} (at 20 °C)

Standards & certifications:

- Designed in accordance with IEC 61427 and IEC 60896-21/22
- Manufactured in Europe in our ISO 9001 certified production plants
- Trouble-free transport of operational cells, no restrictions for rail, road, sea, and air transportation (IATA, DGR, clause A67)
- Approval: UL (Underwriters Laboratories, USA)



Nominal capacity
27-230 Ah C_{100}



Block battery



Grid plate



Recyclable



Valve regulated
lead-acid
batteries



Proof against
deep discharge



Maintenance free
(no topping up)



800 cycles at
60% DoD C_{10}

Technical characteristics and data

Type	Part number	Nom. voltage	Nominal capacity	Discharge current	Length	Width	Height	Height	Weight*	Terminal	Terminal position
		V	C_{100} 1.80 Vpc 20 °C	I_{100}	(l)	(w)	(h1)	(h2)	approx. kg		
			Ah	A	max. mm	max. mm	max. mm	max. mm			
S12/27 G5	NGS0120027HS0BA	12	27.0	0.27	167	176	-	126	9.60	G-M5	1
S12/32 G6	NGS0120032HS0BA	12	32.0	0.32	197	132	160	179	11.1	G-M6	2
S12/41 A	NGS0120041HS0CA	12	41.0	0.41	210	175	-	175	14.2	A-Terminal	1
S12/60 A	NGS0120060HS0CA	12	60.0	0.60	261	136	208	230	18.0	A-Terminal	1
S12/85 A	NGS0120085HS0CA	12	85.0	0.85	353	175	-	190	25.5	A-Terminal	1
S12/90 A	NGS0120090HS0CA	12	90.0	0.90	330	171	213	236	28.2	A-Terminal	2
S12/130 A	NGS0120130HS0CA	12	130	1.30	286	269	208	230	36.7	A-Terminal	4
S12/230 A	NGS0120230HS0CA	12	230	2.30	518	274	216	238	63.5	A-Terminal	3

* Actual weight may differ by ±5%

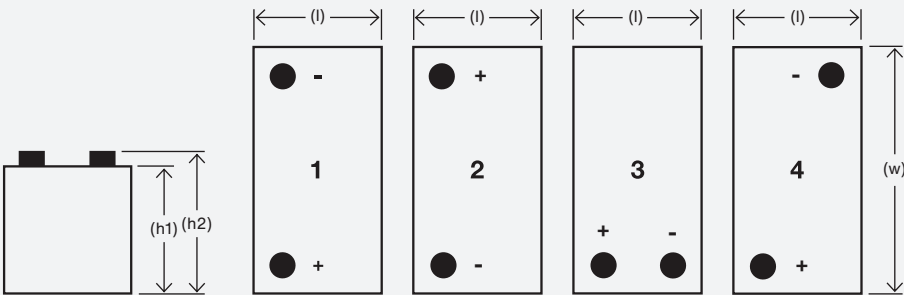
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Capacities C_1 - C_{100} (20 °C) in Ah

Type	C_1	C_5	C_{10}	C_{20}	C_{100}
	1.70 Vpc	1.70 Vpc	1.70 Vpc	1.75 Vpc	1.80 Vpc
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	110	130
S12/230 A	120	170	190	200	230

Drawings, terminal and torque



Not to scale!

