

Gel Sonnenschein Solar Premium

Technical data sheet

Technical features:

- Nominal capacity 6.60-330 Ah C_{100} (20 °C / 68 °F)
- Long shelf life up to 17 months at 20 °C / 68 °F 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 / 68 °F

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), DNV GL (Germanischer Lloyd)



Nominal capacity
6.60-330 Ah C_{100}



Block battery



Grid plate



Recyclable



Valve regulated
lead-acid
batteries



Proof against
deep discharge



Maintenance free
(no topping up)



800-1200 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 / 68 °F) Ah	I_{100} A	max. in	max. mm	max. in	max. mm	max. in	max. mm	max. in	max. mm	approx. lbs	approx. kg		
SB 6/200 A	NGSB060200HS0CA	6	200	2.00	9.69	246	7.56	192	10.0	254	10.8	275	61.7	28.0	A-Terminal	4
SB 6/330 A	NGSB060330HS0CA	6	330	3.30	12.3	312	7.17	182	13.3	337	14.1	359	102.5	46.5	A-Terminal	4
SB12/60 A	NGSB120060HS0CA	12	60.0	0.60	10.9	278	6.89	175	-	-	7.48	190	39.7	18.0	A-Terminal	1
SB12/75 A	NGSB120075HS0CA	12	75.0	0.75	13.0	330	6.73	171	8.43	214	9.29	236	61.1	27.7	A-Terminal	2
SB12/100 A	NGSB120100HS0CA	12	100	1.00	20.2	513	7.44	189	7.68	195	8.62	219	79.4	36.0	A-Terminal	3
SB12/130 A	NGSB120130HS0CA	12	130	1.30	20.2	513	8.78	223	7.68	195	8.62	219	98.1	44.5	A-Terminal	3
SB12/185 A	NGSB120185HS0CA	12	185	1.85	20.4	518	10.8	274	8.50	216	9.37	238	133.4	60.5	A-Terminal	3
S12/27 G5	NGS0120027HS0BA	12	27.0	0.27	6.57	167	6.93	176	-	-	4.96	126	21.2	9.60	G-M5	1
S12/32 G6	NGS0120032HS0BA	12	32.0	0.32	7.76	197	5.2	132	6.30	160	7.05	179	24.5	11.1	G-M6	2
S12/41 A	NGS0120041HS0CA	12	41.0	0.41	8.27	210	6.89	175	-	-	6.89	175	31.3	14.2	A-Terminal	1
S12/60 A	NGS0120060HS0CA	12	60.0	0.60	10.9	261	5.35	136	8.19	208	9.06	230	39.7	18.0	A-Terminal	1
S12/85 A	NGS0120085HS0CA	12	85.0	0.85	13.9	353	6.89	175	-	-	7.48	190	56.2	25.5	A-Terminal	1
S12/90 A	NGS0120090HS0CA	12	90.0	0.90	13.0	330	6.73	171	8.39	213	9.29	236	62.2	28.2	A-Terminal	2
S12/130 A	NGS0120130HS0CA	12	130	1.30	11.3	286	10.6	269	8.19	208	9.06	230	81.0	36.7	A-Terminal	4
S12/230 A	NGS0120230HS0CA	12	230	2.30	20.4	518	10.8	274	8.50	216	9.37	238	140.0	63.5	A-Terminal	3

* Actual weight may differ by ±5%

Manufacturer: by /**MERICAS**
Exide Technologies Energy Solutions GmbH
Im Thiergarten, 63654 Büdingen, Germany

mericas-energy.com



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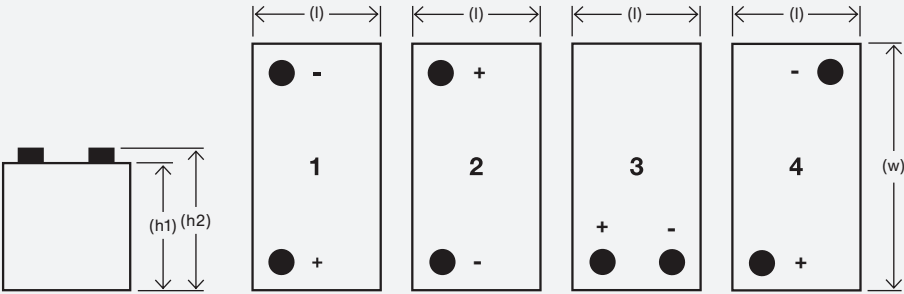
Technical data sheet

Capacities C₁ - C₁₀₀ (20 °C / 68 °F) in Ah

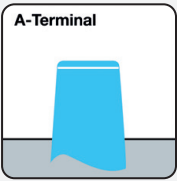
Type	C ₁	C ₅	C ₁₀	C ₂₀	C ₁₀₀
	1.70 Vpc	1.70 Vpc	1.70 Vpc	1.75 Vpc	1.80 Vpc
SB 6/200 A	104	153	162	180	200
SB 6/330 A	150	235	260	280	330
SB12/60 A	34.0	45.0	52.0	56.0	60.0
SB12/75 A	48.0	60.0	66.0	70.0	75.0
SB12/100 A	57.0	84.0	89.0	90.0	100
SB12/130 A	78.0	101	105	116	130
SB12/185 A	103	150	155	165	185

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

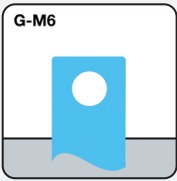
Drawings, terminal and torque



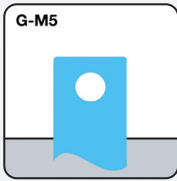
Not to scale!



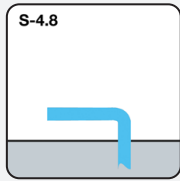
8 Nm / 70.8 lbf-in



6 Nm / 53.1 lbf-in



5 Nm / 44.3 lbf-in



S-4.8

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