

Sonnenschein SOLAR BLOCK

Safe power supply for medium performance

The Sonnenschein SOLAR BLOCK battery range is very powerful and reliable in rough application conditions. This range is the ideal energy source for medium industrial solar systems, holiday and weekend houses, wind powerstations, as well as for other safety equipment power supplies.

Your benefits:

- > **Excellent cycling performance** – 1200 cycles at 60% Depth of Discharge C_{10} (at 20 °C)
- > **dryfit Gel** – VRLA technology
- > **Lowest energy consumption** – saving costs
- > **Robust design** – resilient in harsh conditions
- > **Proof against deep discharge** – greater long-term energy delivery
- > **Completely recyclable** – low CO₂ footprint



Specifications:

- > Nominal capacity 60.0 – 330 Ah C_{100} (20 °C)
- > Long shelf life up to 2 years at 20 °C without recharge due to the very low self discharge rate
- > 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 blocks, no restrictions for rail, road, sea and air transportation (IATA, DGR, clause A67)
- > Approval: UL (Underwriter Laboratories), DNV GL (Germanischer Lloyd)

| | | | | | | | |
|--|---------------|------------|------------|-------------------------------------|------------------------------|----------------------------------|---------------------------------|
| | | | | | | | |
| Nominal capacity 60.0 – 330 Ah C_{100} | Block battery | Grid plate | Recyclable | Valve regulated lead-acid batteries | Proof against deep discharge | Maintenance-free (no topping up) | 1200 cycles at 60% DoD C_{10} |

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Technical data

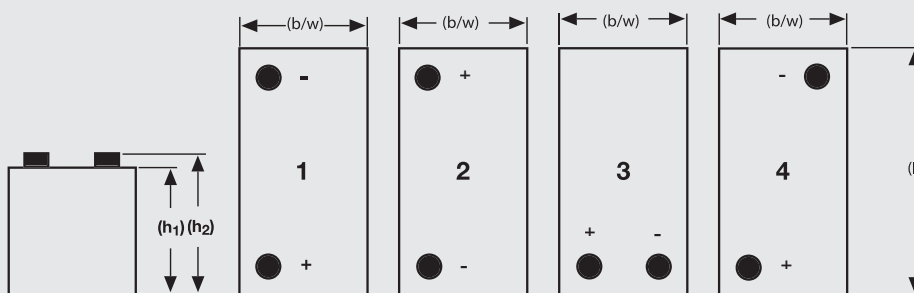
Technical characteristics and data

| Type | Part number | Nom. voltage | Nominal capacity | Discharge current | Length (l) max. mm | Width (b/w) max. mm | Height up to top of cover (h1) | Height including connectors (h2) | Weight approx. kg | Terminal | Terminal position |
|------------|-----------------|--------------|-----------------------------------|-------------------|-----------------------|------------------------|--------------------------------|----------------------------------|----------------------|------------|-------------------|
| | | V | C_{100} 1.80 Vpc 20 °C Ah | I_{100} A | | | max. mm | max. mm | | | |
| SB 6/200 A | NGSB060200HS0CA | 6 | 200 | 2.00 | 246 | 192 | 254 | 275 | 29.0 | A-Terminal | 4 |
| SB 6/330 A | NGSB060330HS0CA | 6 | 330 | 3.30 | 312 | 182 | 337 | 359 | 47.0 | A-Terminal | 4 |
| SB12/60 A | NGSB120060HS0CA | 12 | 60.0 | 0.60 | 278 | 175 | - | 190 | 19.0 | A-Terminal | 1 |
| SB12/75 A | NGSB120075HS0CA | 12 | 75.0 | 0.75 | 330 | 171 | 214 | 236 | 28.8 | A-Terminal | 2 |
| SB12/100 A | NGSB120100HS0CA | 12 | 100 | 1.00 | 513 | 189 | 195 | 223 | 36.5 | A-Terminal | 3 |
| SB12/130 A | NGSB120130HS0CA | 12 | 130 | 1.30 | 513 | 223 | 195 | 223 | 45.5 | A-Terminal | 3 |
| SB12/185 A | NGSB120185HS0CA | 12 | 185 | 1.85 | 518 | 274 | 216 | 238 | 61.5 | A-Terminal | 3 |

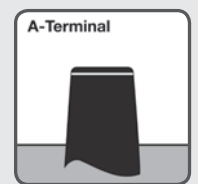
Capacities $C_1 - C_{100}$ (20 °C) in Ah

| Type | C_1 1.70 Vpc | C_5 1.70 Vpc | C_{10} 1.70 Vpc | C_{20} 1.75 Vpc | C_{100} 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 |

Drawings with terminal position, terminal and torque



Not to scale!



8 Nm