

# Sacred Sun SPGN series

Sealed lead-acid battery (VRLA)

**inbatt**  
INDUSTRIEBATTERIEN



Icon image

## TYPICAL APPLICATIONS

- ✓ Uninterruptable power supply – UPS
- ✓ Data centers
- ✓ Emergency lighting
- ✓ Telecommunications
- ✓ Power supply systems
- ✓ Renewable Energy
- ✓ Universal energy storage
- ✓ Diesel starter

## PRODUCT BENEFITS

- ✓ Long life according to Eurobat
- ✓ High energy efficiency
- ✓ High gas recombination
- ✓ Low self-discharge (<2 %/month)
- ✓ Easy handling and installation

## PRODUCT FEATURES

- ✓ VRLA AGM-Technology. Maintenance-free (no water refilling)
- ✓ Range of Performance (C10): 42 Ah - 250 Ah
- ✓ 12 V Block-batteries
- ✓ Operating Temperature: -15°C to +45°C
- ✓ 100% recyclable
- ✓ High tin low calcium alloy grids designed to resist corrosion
- ✓ Heat-sealed ABS housing and cover (FVO class is optional)
- ✓ Optimum operational safety due to integrated backfire protection

| Type       | Voltage | Capacity<br>C <sub>10</sub> | Discharge at 25°C |       |        | Dimensions |     |     | Weight | Terminal | Internal<br>Resistance (mΩ) | Short-circuit<br>current (A) |
|------------|---------|-----------------------------|-------------------|-------|--------|------------|-----|-----|--------|----------|-----------------------------|------------------------------|
|            |         |                             | 8 h               | 3 h   | 1 h    | L          | W   | H   |        |          |                             |                              |
| SPGN12-45  | 12      | 45 Ah                       | 5,20              | 11,63 | 26,92  | 196        | 165 | 170 | 14     | F-M6     | 6,5                         | 1800                         |
| SPGN12-55  | 12      | 55 Ah                       | 6,63              | 14,27 | 33,03  | 228        | 138 | 214 | 17,2   | F-M6     | 6,4                         | 1850                         |
| SPGN12-70  | 12      | 70 Ah                       | 8,32              | 18,41 | 44,47  | 261        | 171 | 217 | 22,5   | F-M6     | 5,8                         | 2050                         |
| SPGN12-75  | 12      | 75 Ah                       | 8,92              | 19,73 | 47,64  | 261        | 171 | 217 | 25,5   | F-M6     | 4,45                        | 2650                         |
| SPGN12-80  | 12      | 80 Ah                       | 9,51              | 21,04 | 48,40  | 350        | 167 | 180 | 24,6   | F-M6     | 5                           | 2400                         |
| SPGN12-90  | 12      | 90 Ah                       | 10,56             | 23,23 | 55,58  | 306        | 171 | 217 | 27,4   | F-M6     | 4,9                         | 2450                         |
| SPGN12-100 | 12      | 100 Ah                      | 11,89             | 26,30 | 63,53  | 330        | 174 | 226 | 31,6   | F-M8     | 3,8                         | 3150                         |
| SPGN12-115 | 12      | 115 Ah                      | 13,77             | 30,68 | 74,11  | 375        | 174 | 227 | 36,2   | F-M8     | 3,7                         | 3200                         |
| SPGN12-135 | 12      | 135 Ah                      | 15,90             | 34,30 | 81,50  | 345        | 172 | 280 | 42,5   | F-M8     | 3,6                         | 3300                         |
| SPGN12-145 | 12      | 145 Ah                      | 17,63             | 39,38 | 93,56  | 483        | 171 | 227 | 45,6   | F-M8     | 2,75                        | 4350                         |
| SPGN12-155 | 12      | 155 Ah                      | 18,20             | 40,80 | 96,00  | 483        | 174 | 226 | 47     | F-M8     | 2,2                         | 4600                         |
| SPGN12-180 | 12      | 180 Ah                      | 21,72             | 48,12 | 114,36 | 497        | 203 | 237 | 58     | F-M8     | 2,47                        | 4350                         |
| SPGN12-200 | 12      | 200 Ah                      | 23,56             | 50,90 | 121,00 | 522        | 234 | 225 | 63,5   | F-M8     | 2,45                        | 4900                         |
| SPGN12-210 | 12      | 210 Ah                      | 25,50             | 56,88 | 135,15 | 522        | 234 | 225 | 66,3   | F-M8     | 2,1                         | 5700                         |
| SPGN12-250 | 12      | 250 Ah                      | 29,45             | 63,66 | 151,26 | 534        | 271 | 233 | 77,9   | F-M8     | 1,95                        | 6100                         |

## APPLICATION AND INSTALLATION

- ✓ Recommended float charge voltage: 2.27 V/cell at 25°C ambient temperature
- ✓ Storage Period without recharging: 6 months (<25°C)
- ✓ Installation possible in a cabinet or rack
- ✓ Torsional Moment: 8 - 14 Nm (depending on type of battery)
- ✓ No dangerous goods for air, sea, rail or road transport

## STANDARDS

- ✓ IEC 60896-21/22:2004
- ✓ JIS C8704-1/2
- ✓ Eurobat 2022

Technical changes reserved.. 02/2025