

## Data sheet sonnenBatterie Evo

Built for the great outdoors - a system that can endure the climate and longevity of your external surroundings and changing energy requirements. German designed and engineered to store solar energy to power your home in the day, or night. Your future deserves a long-lasting and safe solution that will power the heart of your home and deliver you peace of mind.

### System specifications (AC)

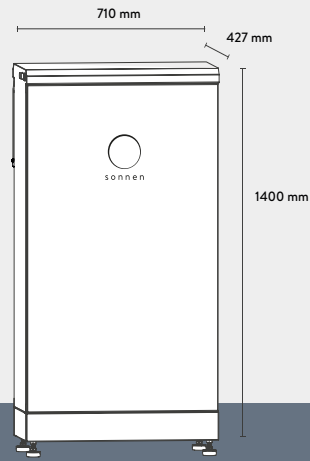
|                             |                             |
|-----------------------------|-----------------------------|
| Nominal voltage             | 230 V                       |
| Nominal frequency           | 50 Hz                       |
| Rated active power          | 5000 W                      |
| Rated output apparent power | 5000 VA                     |
| Rated output current        | 22 A                        |
| Power factor range          | 0.5 leading ... 0.5 lagging |
| Grid connection             | Single-phase, L / N / PE    |

### Battery specifications (DC)

|   |                        |
|---|------------------------|
| Nominal voltage   | 204.8 VDC              |
| Battery voltage range                                   | 160 - 230 V            |
| Nominal capacity / Usable capacity                      | 11 kWh / 10 kWh        |
| Max charge / discharge current (continuous) / Max power | 40 A / 5 kW            |
| Cell chemistry  | Lithium Iron Phosphate |

### General data

|                                   |  |
|-----------------------------------|--|
| Dimensions (W x H x D)            | 710 mm x 1400 mm x 427 mm  |
| Installed weight (approximate)    | 163.5 kg (Cabinet 74 kg, Battery Module (each) 40 kg, Plinth 9.5 kg) |
| Ambient temperature range         | -5 °C to 45 °C   |
| Max. relative humidity            | 90 %, non-condensing   |
| Noise emission                    | < 64 dB  |
| Permissible installation altitude | 2,000 m  |



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|  |  |
|--|--|
| Inverter efficiency                          | 94.4% peak   |
| On-grid pass-through                         | 35 A   |
| Applications                                 | Time-of-use / Self-consumption / Backup  |
| Communication                                | Ethernet   |
| <b>Safety</b>                                |  |
| Protection class / Overvoltage category      | I / PE conductor / III   |
| Degree of protection                         | IP 56  |
| <b>Backup specification</b>                  |  |
| Nominal backup current (Continuous)          | 22 A   |
| Nominal output voltage                       | 230 V  |
| Nominal power                                | 5000 W   |
| Nominal frequency                            | 50 Hz  |
| Nominal power / 30 min peak                  | 5000 W / 5300 VA   |
| Max backup power (60 sec)                    | 7050 VA  |
| Max backup power (30 mins)                   | 5300 VA  |
| Max. compatible PV inverter output (back up) | 6 kW   |
| <b>Certifications</b>                        |  |
| Tests and directives                         | AS/NZS 4777.2:2020, EN 61000-6-1, EN 61000-6-3, IEC 62040-2, IEC 62040-1, IEC 62477-1, IEC 62619, IEC 62109-1, IEC 62109-2 |
| Warranty                                     | 10 years or 10,000 cycles  |
| Country of manufacture                       | Germany  |

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