

## Technical data 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)

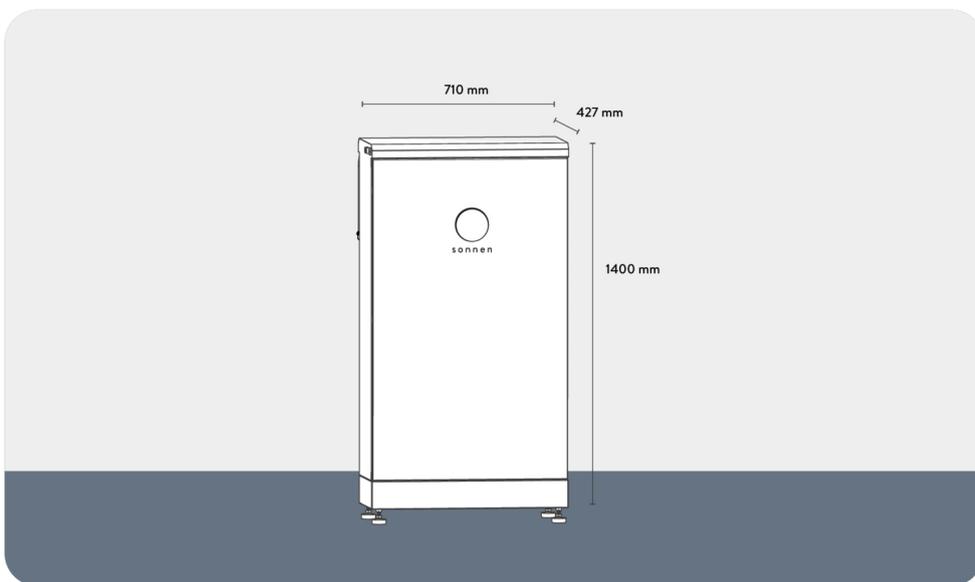
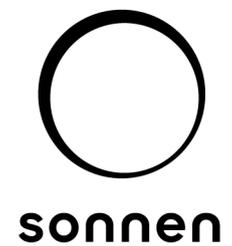
Nominal voltage	230 V
Nominal frequency	50 Hz
Rated active power	5000 W
Rated apparent power	5000 VA
Rated current	22 A
Power factor range	0.5 leading ... 0.5 lagging
Mains connection	Single-phase, L / N / PE

### Battery specifications (DC)

Operating voltage	204.8 V
Operating voltage range	160 V ... 230 V
Nominal capacity / usable capacity (@ 90 % DoD)	11 kWh / 10 kWh
Maximum charge/discharge current (continuous) / power	40 A / 5000 W
Cell chemistry	Lithium Iron Phosphate

### General data

Dimensions (W x H x D)	710 mm x 1400 mm x 427 mm
Weight (approximate)	163.5 kg (Cabinet 74 kg, Battery Module (each) 40 kg, Plinth 9.5 kg)
Noise emission	< 59 dB(A)
Inverter efficiency	94.4 % peak
On-grid pass-through	35 A
Applications	Time-of-use / Self-consumption / Backup
Communication	Ethernet



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### Ambient conditions

<b>Operating temperature range*</b>	-5 °C ... 45 °C
<b>Maximum relative humidity</b>	90 %, non-condensing
<b>Permissible installation altitude</b>	2,000 m

### Safety

<b>Protection class / Overvoltage category</b>	I / PE conductor / III
<b>Degree of protection</b>	IP 56

### Backup specification (AC)

<b>Nominal backup current (continuous)</b>	22 A
<b>Nominal output voltage</b>	230 V
<b>Nominal power</b>	5000 W
<b>Nominal frequency</b>	50 Hz
<b>Maximum backup power (60 sec)</b>	7050 VA
<b>Maximum backup power (30 mins)</b>	5300 VA
<b>Maximum compatible PV inverter output power</b>	6000 W

### Certifications

<b>Tests and directives</b>	AS/NZS 4777.2, 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
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<b>Warranty</b>	10 years or 10,000 cycles
<b>Country of manufacture</b>	Germany

\* Operation at -10 °C ... 50 °C permitted with power output subject to derating.

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To learn more about our current warranty terms and conditions, please visit [sonnen.com.au/technical-documents](https://www.sonnen.com.au/technical-documents).

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