

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)

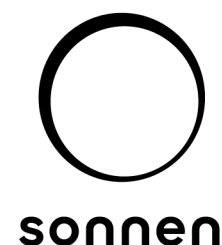
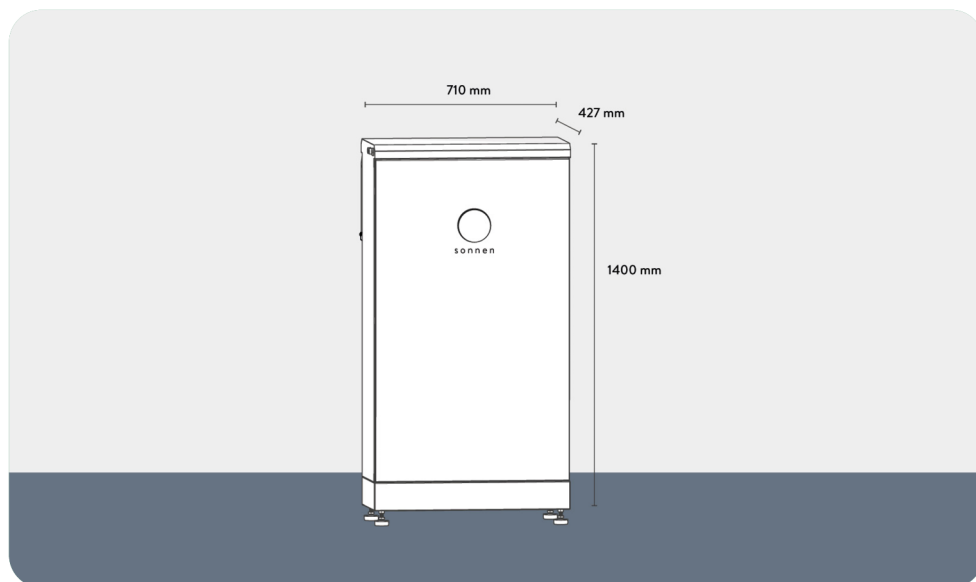
Nominal voltage	230 V
Nominal frequency	50 Hz
Rated active power	5000 W
Rated apparent power	5000 VA
Rated current	22 A
Power factor range	0.5 leading ... 0.5 lagging
Mains connection	Single-phase, L / N / PE

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



Technical data sonnenBatterie Evo

Ambient conditions

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

Safety

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

Backup specification (AC)

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

Certifications

Tests and directives	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
Warranty	10 years or 10,000 cycles
Country of manufacture	Germany

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

We reserve the right to make technical changes and updates without prior notice. Specific values, performance data and other information in this data sheet, brochures and other product information, as well as illustrations and drawings in these documents, are solely illustrative and are subject to ongoing revision and modification. We do not warrant the accuracy or completeness of any information in these documents unless otherwise explicitly stated. Only the information in order confirmation documents or purchase contracts is binding.

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

Version: April 2025