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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
Nominal power rating (@ 40 °C)	5 kW
Power factor range	0.5 leading ... 0.5 lagging
Grid connection	Single-phase, L / N / PE

Battery specifications (DC)	
Nominal voltage	102.4 VDC
Operating voltage	204.8 VDC
Nominal capacity / Usable capacity	11 kWh / 10 kWh
Max charge / discharge current (continuous) / Max power	40 A / 5 kW
Cell chemistry	Lithium Iron Phosphate ($LiFePO^4$)

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	-10 °C to 50 °C
Max. relative humidity	90 %, non-condensing
Permissible installation altitude	2,000 m

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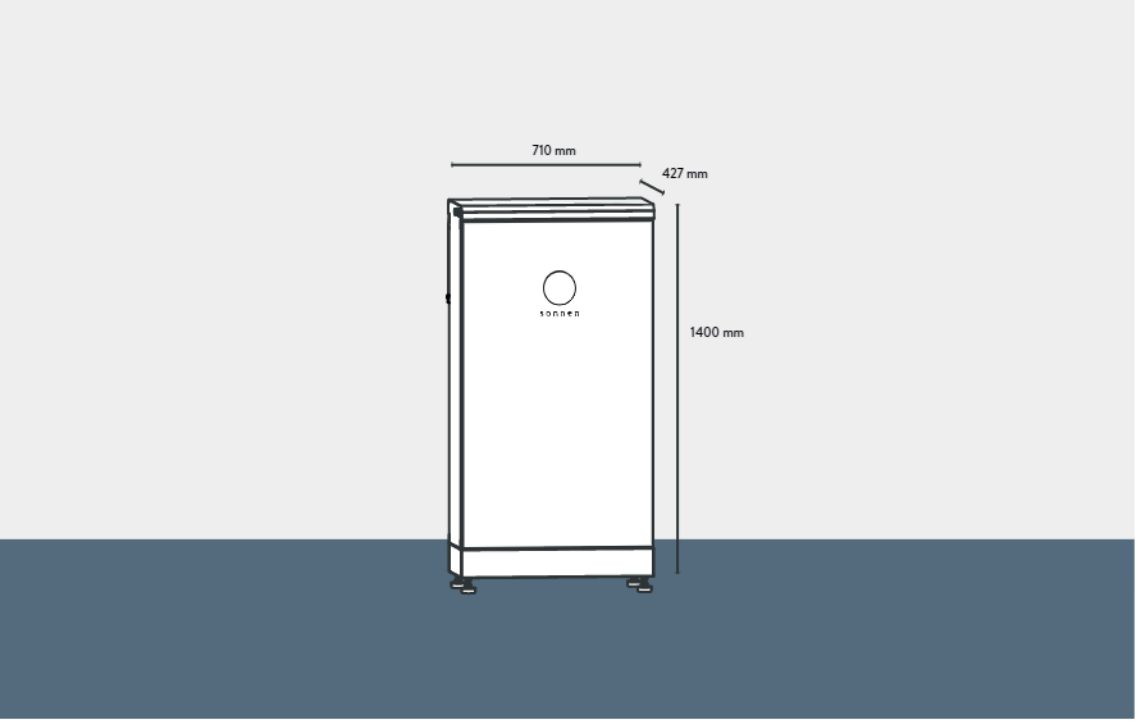

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Inverter efficiency	94.4 % peak
On-grid pass-through	35 A
Applications	Time-of-use / Self-consumption / Backup
Communication	Ethernet
Safety	
Protection class / Overvoltage category	I / PE conductor / III
Degree of protection	IP 56
Backup specification	
Nominal backup current (Continuous)	21.7 A
Nominal output voltage	230 V
Nominal power	5 kW
Nominal frequency	50 Hz
Nominal power / 30 min peak	5kW / 5.3kVA
Certifications	
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
Warranty	10 years or 10,000 cycles

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To learn more about our current warranty terms and conditions, please visit sonnensupportaustralia.com.au/warranty-certs.html