

# sonnenBatterie Evo.

## Built for the great outdoors.

### Powering your future.

Proudly innovating for over 11 years, the sonnenBatterie Evo is sonnens first outdoor home battery solution that was developed specifically for the needs of the Australian and New Zealand landscape. Our system is designed to endure the unique local climate and changing energy requirements of your household.

German engineered and made in our newest, state of the art manufacturing plant in Bavaria. Store solar energy to power your home in the day, or night and during blackouts.

### Charge your battery even when the grid is down.

Solar power generation does not have to go to waste. When the grid goes down – with Black Start function, have confidence that during a blackout your home can utilise the energy from the directly connected solar system and ensure you have continuous backup energy supply. Meaning you can use your essential appliances during times of extended blackouts\*.

Your future deserves a long-lasting and safe solution that will power the heart of your home and deliver peace of mind.

### Technical benefits.

- Battery capacity – 11 kWh
- Retrofit or new install
- Outdoor rated
- Output - 5kW charge / discharge (grid and back up mode)
- Safe Lithium Iron Phosphate chemistry



\*The ability to power essential loads is dictated by the battery state of charge and availability of Solar PV production.

# You can rely on sonnen.

## Quality from the market leader.

- Industry-leading 10 year full warranty, and extra-long battery life with over 10,000 charging cycles.

## Compact and durable – inside and out.

- Certified outdoor rating and compact in size to allow the sonnenBatterie to be installed almost anywhere.

## German designed and engineered.

- With over 11 years of research and development you can have peace of mind that sonnen deliver quality solutions.

## All-in-one design.

- The sonnenBatterie Evo offers an innovative inverter, integrated backup capability, safe Lithium Iron Phosphate batteries all enclosed in a tough and durable cabinet.

## Power at your fingertips.

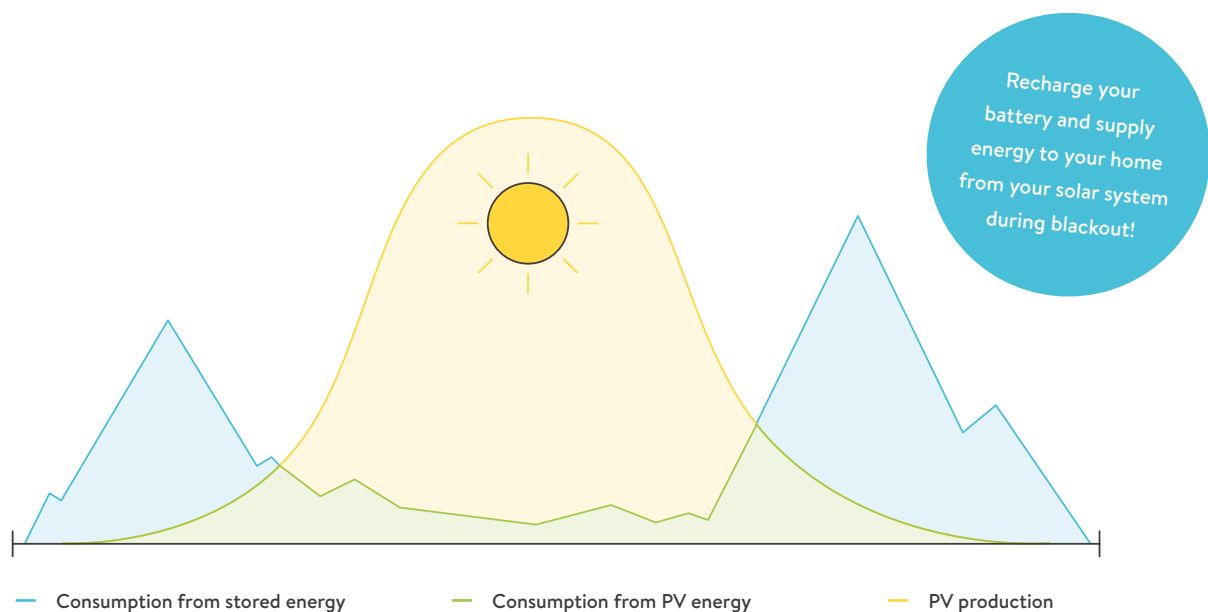
- Get access to sonnen's digital platforms that enable you to monitor your home's energy consumption, including solar and battery performance.

## Join the global clean energy community.

- The sonnenCommunity of over 80,000 homes has a simple goal: clean, reliable and affordable energy for everyone – a true win-win for the individual, the community and our planet.

## Safe and durable cell technology.

- Put safety and sustainability first with cobalt-free, recyclable battery technology.



### Morning: minimal solar generation, high demand.

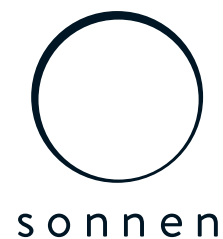
When the sun rises, the photovoltaic system starts to produce electricity. However, it still cannot cover your electricity needs in the morning. The sonnenBatterie bridges the gap with the energy stored from the previous day.

### Midday: maximum solar generation, low demand.

The photovoltaic system produces most of the solar power during the day. However, in most cases either no one is home or your consumption is minimal. The surplus energy being generated is stored in your sonnenBatterie.

### Evening: minimal solar generation, highest demand.

The electricity consumption reaches its peak in the evening, whereas the photovoltaic system is no longer producing any electricity. The sonnenBatterie now supplies the household with the electricity stored from midday.



## 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)

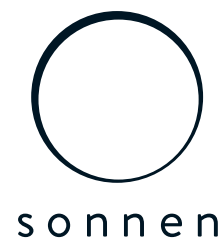
Nominal voltage	230 V
Nominal frequency	50 Hz
Nominal power rating (@ 40 °C)	5 kW
Power factor range	0.5 leading ... 0.5 lagging
Grid connection	Single-phase, L / N / PE

### 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 <sub>4</sub> )

### 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

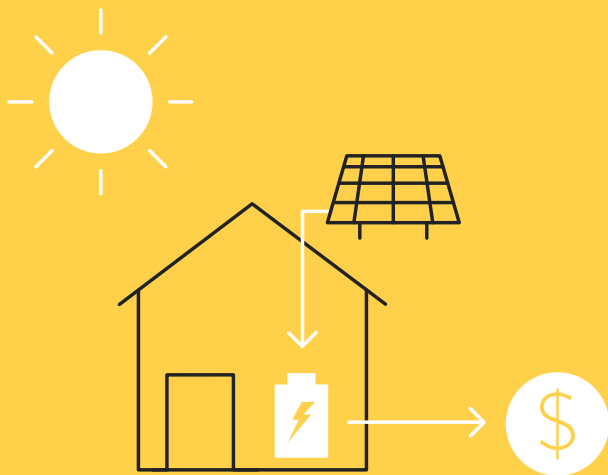
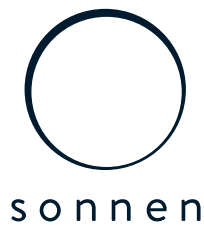


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Noise emission	<50 dB
Inverter efficiency	94.4% peak
On-grid pass-through	35A
Applications	Time-of-use / Self-consumption / Backup
Communication	Ethernet
<b>Safety</b>	
Protection class / Overvoltage category	I / PE conductor / III
Degree of protection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

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 [sonnensupportaustralia.com.au/warranty-certs.html](https://sonnensupportaustralia.com.au/warranty-certs.html)  
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Everyday you generate clean energy, we reward you!

**Receive a one-off \$100 sign up bonus plus ongoing daily rewards when you join sonnenConnect\*.**

sonnenConnect is an innovative way our customers can join a virtual power plant – where your battery is connected to hundreds of other home battery storage systems to make one powerful source of energy and can provide stability to the grid in times of need.

In exchange, you are eligible for a \$100 sign up bonus and a daily reward, everyday your system stores clean energy.

sonnenConnect is an offer for eligible sonnenBatterie owners, and you don't even have to switch energy retailers!

All you need to join is a sonnenBatterie system with a capacity of 4kWh or greater.

To get more out of your sonnenBatterie and discover how you gain your energy independence, contact your local sonnen team for more information.

**137 666 • [connect@sonnen.com.au](mailto:connect@sonnen.com.au) • [sonnen.com.au/connect](https://sonnen.com.au/connect)**

Rewards start from \$0.82 per day. For full terms and conditions visit [sonnen.com.au/connect](https://sonnen.com.au/connect).  
sonnen reserves the right to change or withdraw this offer. Visit [sonnen.com.au/connect](https://sonnen.com.au/connect) for details of current offers.  
\*Available to customers with a sonnenBatterie 4kWh capacity and above. Not available in NT and WA