



sonnenBatterie – It's time to declare your independence!

A clean, reliable and affordable
energy supply for all is finally here.



“Our goal is a world in which everyone is able to cover their energy needs with decentralised and intelligent clean energy systems that generate and store energy locally. We also create energy communities where everyone can connect to share energy where and when it’s needed. Ultimately this will emancipate our world from the dependence on fossil fuels and anonymous energy corporations and provide us with greater control over our energy future.”

Christoph Ostermann, CEO sonnen GmbH, Germany



sonnenBatterie - Smart energy storage for homeowners.

sonnen's mission is to provide clean and affordable energy for all. A sonnenBatterie can connect to new and existing solar power systems to turn your house into a smart energy home - using more of the solar energy you generate during the day to provide power whenever you need it, protecting you from electricity price increases.

The sonnen difference.

sonnen has been an innovator in intelligent energy storage products that help our customers reach their goal to use clean, reliable and cost-effective energy. The sonnenBatterie has proven itself in over 40,000 households worldwide. The decision for a sonnenBatterie is a decision for the highest standards in safety and quality that German products are known for. With over eight years' experience solely in home energy storage, sonnen gives you the confidence to take your energy future into your own hands and reduce your energy costs to a minimum today.

All included – high end components perfectly in tune for you.

The sonnenBatterie is a complete and ready to connect system. However, what does that mean? Inside every sonnenBatterie, you will not only find extremely durable battery modules, but also an inverter, an intelligent energy manager, measurement technology and of course the software to run it all smoothly. All in one handy box.

The sonnenBatterie components are perfectly attuned to each other – thereby ensuring a very high longevity and maximum quality. Because of its compact dimensions, you will save space and money.

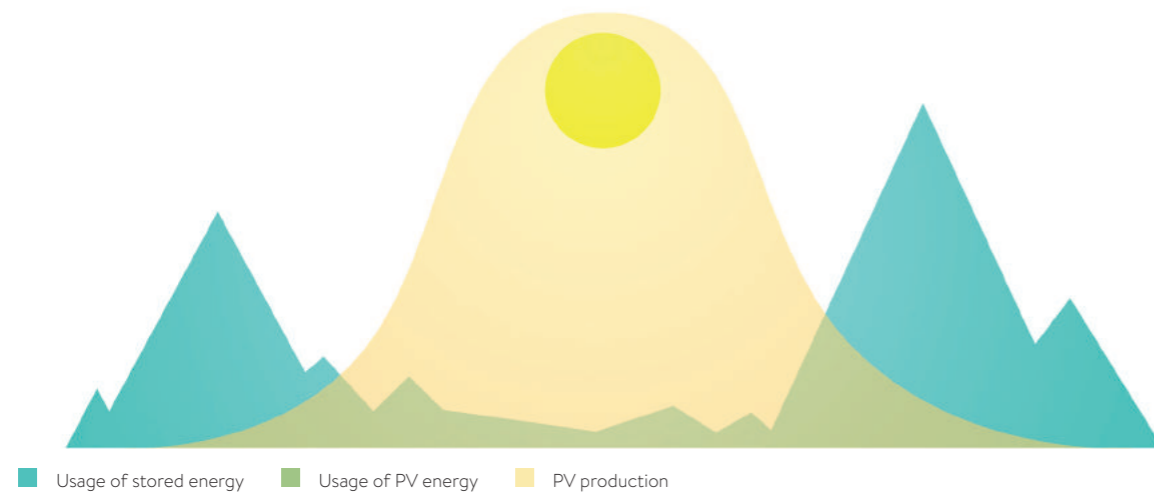
The perfect storage size for any need.

Every household has individual energy requirements. To offer everyone the perfect storage solution the sonnenBatterie was developed as a multi-stage storage system that can be adapted to your energy needs. With sizes ranging from 2kWh to 16kWh, the sonnenBatterie will power a detached house, a multi-family house or a community of houses. Should your storage needs increase, you can easily expand the capacity of the sonnenBatterie in blocks at 2kWh. Should you ever require more power - for example if you are running a business - sonnen offers a variety of commercial pro systems that will suit you. Ask us about this today.

How the sonnenBatterie grants you independence.

The sonnenBatterie will store the surplus energy generated by your PV system in times when you don't have any need for it. The stored energy from the daytime is then at your disposal throughout the night.

But the sonnenBatterie is much more than just a battery, it's an intelligent storage system that automatically adjusts the energy use so that most of your self-generated solar energy stays in your household.



Morning:
minimal energy production, high energy needs.

At sunrise the solar panels start to produce energy, though not enough to cover the morning energy needs. The sonnenBatterie will bridge the gap with the stored energy from the previous day.

Midday:
highest energy production, low energy needs.

In the daytime the solar panels' energy generation is at its peak. But since nobody is home the energy consumption is very low so that most of the generated energy is stored in the sonnenBatterie.

Evening:
low energy production, high energy needs.

The highest daily energy consumption is in the evening when the solar panels produce little or no energy. The sonnenBatterie will cover the energy needs with the energy produced in the daytime.

The key to your smart energy home.

The sonnenBatterie optimises your household energy consumption by storing excess solar electricity for use later.

Adding a sonnenBatterie to your solar power system enables you to

- Maximise the use of your clean solar energy by storing excess solar for use when you need it
- Keep the lights on and your solar working during power outages with sonnen's backup accessory
- Lower your electricity bills by reducing the amount of expensive electricity you buy from the grid
- Monitor and manage your household energy usage with your intuitive sonnen app
- Increase your independence from your electricity supplier
- Reduce your impact on the environment for future generations

Gain greater energy control.

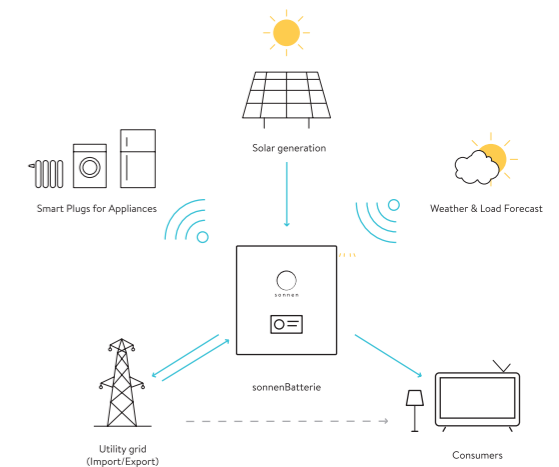
The sonnenBatterie software allows you to monitor, analyse and control the electricity supply and demand of your household – anytime, anywhere.

Intelligent energy management

- Web portal and app to provide real time production and consumption data to help you monitor your energy usage
- Integrated energy management software uses weather data and historical energy usage to manage your energy supply
- Smart plugs automatically use excess solar to run appliances
- Remote system monitoring and software upgrades to ensure your system is working well - no maintenance required
- Charge from the grid on cheaper off-peak tariffs - avoid peak rate electricity prices

Safety and performance

- Works with existing and new solar
- Components are certified to the highest standards of safety and quality
- Market leading 10 year system warranty gives you added peace of mind
- The sonnenBatterie use lithium iron phosphate batteries – the safest lithium battery technology available today. These batteries offer a greater longevity and higher safety than most other lithium-ion batteries that are commonly used in smartphones, laptops or electric cars.
- Product variety to suit your home – sonnen has a battery to suit your home whether it is single or three phase.



Did you know: lithium iron phosphate is the only battery component that occurs naturally and does not contain any toxic heavy metals.

What sonnenBatterie is the right one for me?

With the sonnenBatterie eco and sonnenBatterie hybrid, we offer two intelligent storage solutions with very distinctive benefits. This enables you to choose the sonnenBatterie that best covers your energy needs.

Maximum flexibility: the sonnenBatterie eco.

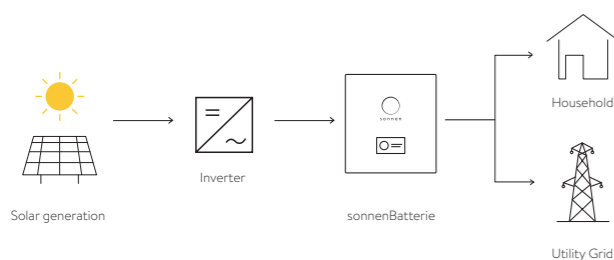
If you value a high degree of flexibility the sonnenBatterie eco is the right solution for you. It is not tied to the size or output power of a PV solar system.

So no matter how much energy you plan to produce the sonnenBatterie eco will be the perfect addition to your personal energy solution.

You can easily connect it to your existing PV solar system or to any other energy sources such as wind generators.

The sonnenBatterie eco can be installed in both single phase and three phase households and can grow with your energy needs by adding extra battery modules at a later stage.

With the sonnenBatterie eco, you are eligible to take advantage of our sonnenFlat making you independent from traditional retailers, stabilising the grid and reducing your energy bills.

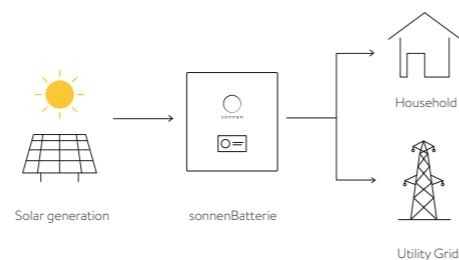


PV + sonnenBatterie eco (with an additional PV inverter)

Amazingly economical: the sonnenBatterie hybrid.

The sonnenBatterie Hybrid stands for maximum economic efficiency. Since the energy that is generated by a PV solar system is a direct current, it needs to be converted to an alternating current for you to be able to use it in your home. That's why every PV solar system needs an inverter. The sonnenBatterie hybrid comes with an integrated inverter thereby eliminating the need for an external PV inverter. The total cost of the PV solar system and the sonnenBatterie is noticeably reduced by removing the cost of this component and its installation. Thus making the whole system more compact, more efficient and clean energy even more affordable for everyone. The hybrid can also be connected to existing solar with the option of plugging new solar directly into it further down the track.

Regardless of what sonnenBatterie model you choose – we guarantee that you will get the best possible solution for your needs!



PV + sonnenBatterie hybrid (without an additional PV inverter)

Technical data sonnenBatterie eco & hybrid.

Timeless, slim and light – the most elegant way to store energy. With a slender depth of just 22cm, the sonnenBatterie does not need a lot of space.

Dimensions (H/W/D in cm)

Dimensions 4 – 10 kWh: 137/64/22
Dimensions 4 – 16 kWh: 184/64/22

Storage size

2 kWh – 16 kWh
(expandable in steps of 2 kWh)
Larger storage options available with the sonnenBatterie Pro

Product series

single phase, three phase
three phase hybrid
single phase hybrid coming soon

Warranty ¹

10,000 charge cycles or 10 years

System intelligence

Automatically increase of household energy consumption during periods of high energy generation and intelligent forecasts of energy production and consumption based on weather updates and historical usage.

Intelligent Integration

All common pool pumps and hot water systems
Smart appliances

Complete storage system

Everything included, ready to connect. Inside every sonnenBatterie you will find extremely durable battery modules, an inverter, an intelligent energy management system, measurement technology and software - all working together seamlessly to maximise your savings. The sonnenBatterie components are built into a single high quality casing ensuring maximum longevity with a small footprint

sonnenBatterie eco output

2.5 - 3.3 kW

sonnenBatterie hybrid output

5.5 kW

¹ Please observe our applicable warranty conditions.

The sonnenBatterie eco delivers savings and peace of mind day and night.

Use solar energy during the day & at night.

The sonnenBatterie eco lets you enjoy the benefits of your solar energy production 24-hours a day. Our integrated smart electronics manage energy use throughout the day, detecting when there's excess power, using it for large energy household items such as pool pumps or hot water systems. Resulting in better savings and reduced energy bills.

Never worry about the lights going out.

Electricity blackouts are quite rare in Australia and will usually only last a couple of hours at the most. Even so, these outages are always unpredictable and can cause problems.

With sonnen's emergency power supply accessory - you are safe. It will reliably supply your household with stored energy during these power failures. Order a sonnenBatterie backup accessory as an option when buying your sonnenBatterie or upgrade to it later.

Harvest cheaper energy to use later.

sonnenBatterie eco allows you to engage in 'price arbitrage' or take advantage of time of use tariffs. The sonnenBatterie gives you the option to charge from the grid in off-peak times to reduce your peak electricity costs.

Gain energy autonomy.

A sonnenBatterie eco integrated with solar panels allows your home to produce and store 100 % of the energy it uses - depending on climate and sun exposure - enabling your home to be energy self-sufficient.

With the sonnenBatterie you will always have the latest technology built in one system. Through smart Z-wave, relay control and load management the sonnenBatterie can help you achieve the highest level of autonomy.



Keep an eye on your energy supply and consumption: with the sonnen app.

You probably know your energy consumption only as an abstract numeric value on your electricity bill. With the sonnen app and the sonnen online portal, you can find out how much energy you are consuming, how much power you are generating and how much energy is being stored in your sonnenBatterie. All in real-time with intuitive diagrams that will show you to what degree you are actually independent of your energy provider.

The sonnen app paired with smart plugs can help you increase that independence even further. For example, you can use the sonnen app to start your washing machine while you are not even home to use up any surplus energy from your solar system.

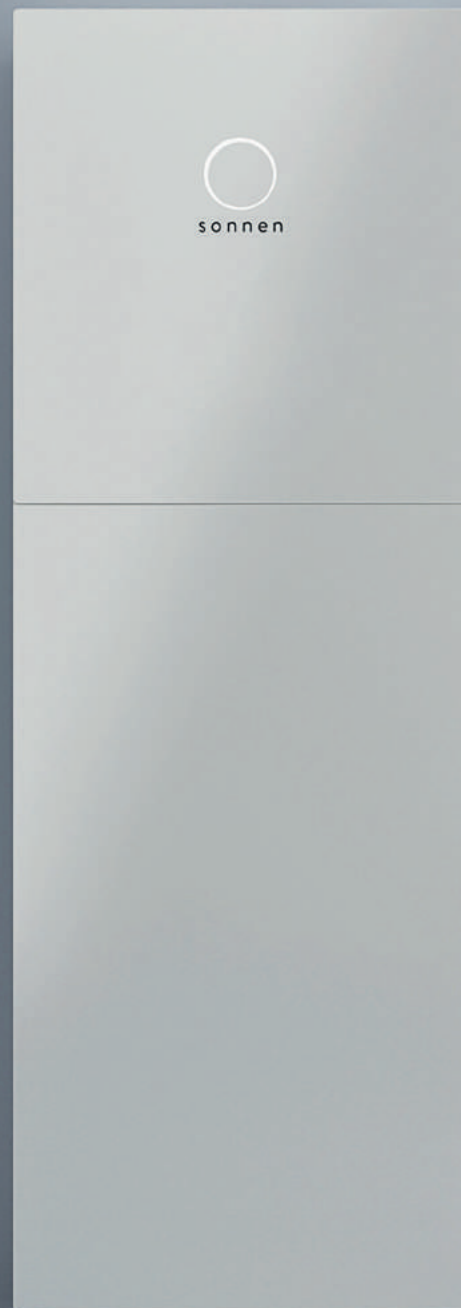
This shifts the source of the energy you use from your energy provider to your home produced energy thereby increasing your degree of independence.

Enjoy true transparency with the sonnen app. Anywhere, anytime.



Quality 'Made in Germany'.

Engineered in the German village, Wildpoldsried, the sonnenBatterie is the superior choice for home energy storage. Thousands of households around the world are using the sonnenBatterie to safely store their self produced energy. As a product 'Made in Germany', the sonnenBatterie fulfils the highest demands of safety and quality thus protecting your investment in the long run.



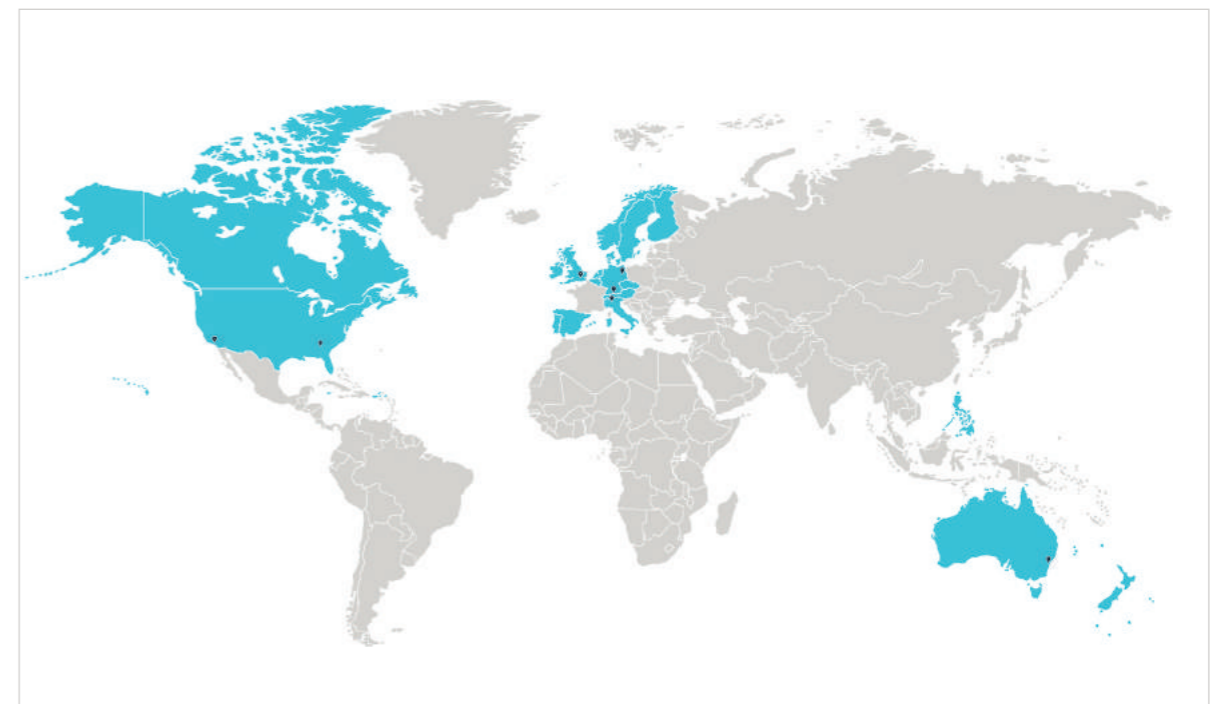
Awards.



For everyone everywhere.

The goal of sonnen is to enable easy access to renewable energy for everyone in this world.

We are present in many countries in Europe, the United States and in Australia. With the sonnenBatterie you will join a global and rapidly growing community of people that share a common vision: independence from corporate energy providers and control of your own energy future.



 Bergamo, IT • London, UK • Los Angeles, US • R&D Center Atlanta, US • Sydney, AU • Berlin, DE • Headquarter in Wildpoldsried, DE

Where can I buy a sonnenBatterie?

sonnenBatterie is sold exclusively through our network of trusted partners across Australia and New Zealand. We have certified installer partners in your area who will help determine which sonnenBatterie system fits your household energy needs and then schedule a convenient time to install your system.

Simply contact us for more information.

1300 867 856

www.sonnen.com.au

info@sonnen.com.au

Just imagine you had the
chance to take your energy
future into your own hands.

Clean and affordable energy for everyone is the biggest challenge of our time. If we succeed to free our energy production from carbon-based emissions within the next ten years we will not only protect our environment but also our economical and political freedom.



Find out how to declare your energy independence today!

We are standing by to
answer all your questions.

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