1KOMMA5°

YOUR SOLAR POWER GUIDE 2025

Your Simple Guide to Solar Living

Discover how solar works, the cost, available rebates, and real-life benefits. Consider this your starting point.

A future-proof investment

Solar Makes Financial Sense

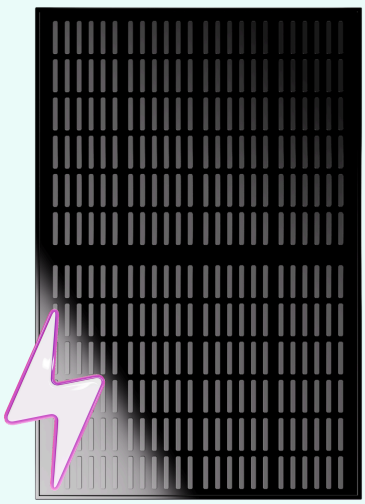
Solar is the cheapest form of energy you can get. Once it's installed, the cost per kWh is zero! And Australia has more sunshine (or free power) than most countries around the globe.

We've all seen energy prices more than double in the last 10 years. But at the same time, the cost of solar has gone down by around 90%. A well-designed solar system will last for decades and is one of the few renovations to your home that will save you, or even make you money, helping you manage your future energy costs.

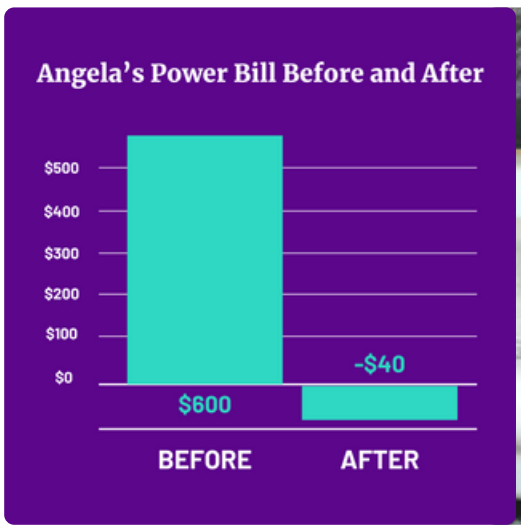
Solar power has never been this affordable.

As power prices continue to rise, a good quality solar power system can typically pay for itself in as little as 3 to 5 years. A solar power system can save you tens of thousands of dollars on your power bills over the life of the system, add value to your home, and significantly reduce your carbon footprint.

We now have many customers getting a credit from their electricity retailer each month, and by adding a battery to your system, you can benefit from even greater savings.



Meet Angela, a 1KOMMA5° customer with solar and battery.



"My power bill used to be $600 per quarter, the last bill I got was a credit of $40. I'm sure the next bill will be even better since it's summer."

Bigger usage, bigger return

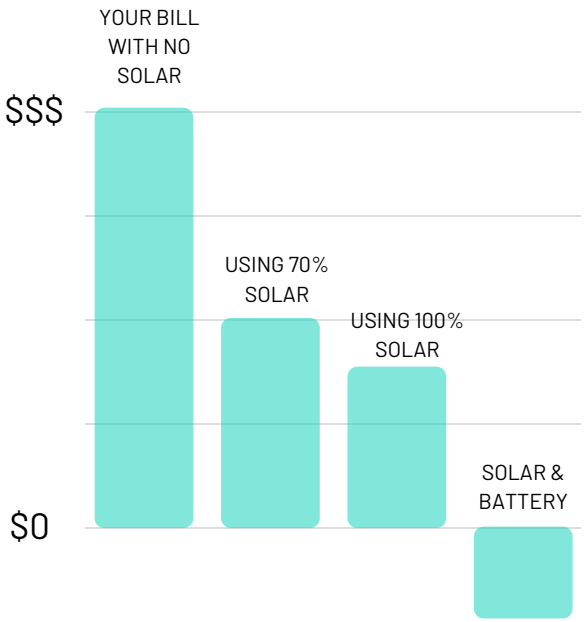
Solar Savings Grow with Your Bills

The main benefit of solar power is that it reduces your power bill, so in round terms, the higher your bill, the more sense solar makes.

If your bills are only around $200 a quarter, for example, solar power may not be worth it purely on financial grounds.

We generally recommend that you have a quarterly power bill of at least $400 to be able to get any significant savings. If your power bill is more than $500 a quarter, a solar power system will almost certainly be of great benefit, and generally, the larger your power bill, the more money you can save from solar power.

Your Bill Without Solar vs With Solar



For many households, this rule of thumb is good enough. As solar power prices continue to fall, getting the maths exactly right is not as important as it used to be. Many of our customers get a rough sense of what they need and then add on a few more panels to future-proof their investment.

Of course, the 1KOMMA5° Team will help you accurately size up a system. When you are ready for a quote, you can call **1300 513 846** or request a quote via **1komma5.com/au/contact-us/**

The numbers that matter

Solar Savings Explained

Solar power is fed into your home to be used as it is generated, and so the amount you save depends on the size of the solar system, how much you pay for power and your usage patterns. Simply put, an 8kW solar system can output around 11,500 kWh per year of energy.

If you use all of that during daylight hours (which is unlikely, but we will use this to help with your calculation), and you pay, say, 30c/kWh for power, then you could save around $3450 per year.

If you use around 2/3rds of the solar power during daylight hours, you would then save around
$2700 per year.

For those who like detail and formulas, it is as simple as:
(11,500 (kWh) x 2/3 x 30c) + (11,500 x 1/3 x 11c Feed in Tariff) = $2,721

The savings increase if you have battery storage, meaning you are getting full value from your solar output.

Many households have Time of Use billing, which, for most homes, means the savings can be even greater. It gets a little complicated to work that out in a Guide such as this, so it is worth talking through how this will work for you with one of our consultants.

Tariff Period	Rate (per kWH) inc GST	Working Day	Weekends & Public Holidays
PEAK	52.547 c	2PM - 8PM	–
SHOULDER	21.85 c	7AM - 2PM & 8PM - 10PM	7AM - 10PM
OFF-PEAK	13.17 c	10PM -7AM	7PM - 7AM

More than just lower bills

How to Make the Most of Your Solar

01
Earn feed-in credits when you export power to the grid

When a solar system is installed, solar power is fed into your home to power everything connected to the main power (except for off-peak hot water), reducing the energy you buy.

If you don't use solar power as it is generated, it is automatically fed to the grid, and your energy retailer will pay you a feed-in tariff. This is generally around 5-12 cents per kWh and is paid as a credit on your power bill (you can get a higher tariff, but usually in return for paying more for your power).

If you are using more power than the solar system is generating, you will automatically buy power from the grid at your contracted rates.

02
Use more power during the day

Solar power is generated during the day, between around 7 am and 7 pm in summer (less in winter), so the savings increase if you use power in daylight hours. To get the most benefit from solar power, you should aim to use most of the solar power at the time it is generated, or consider a battery either now or at some point in the future.

To work out the best option requires some analysis of your current and future usage patterns, as well as preferably some knowledge about how solar power works. Talk to the 1KOMMA5° Team today for more information.

03
Invest in solar batteries

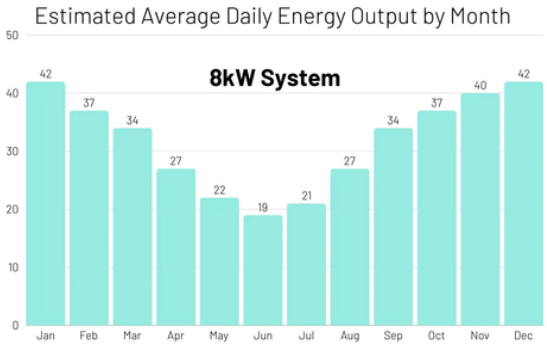
Save on buying energy during the night with battery storage. Battery storage allows you to maximise more of your solar power savings. Simply put, battery storage captures any excess solar power in the daylight hours and uses it to power your home at night.

Understanding the ROI of Solar

Solar Payback Period Explained

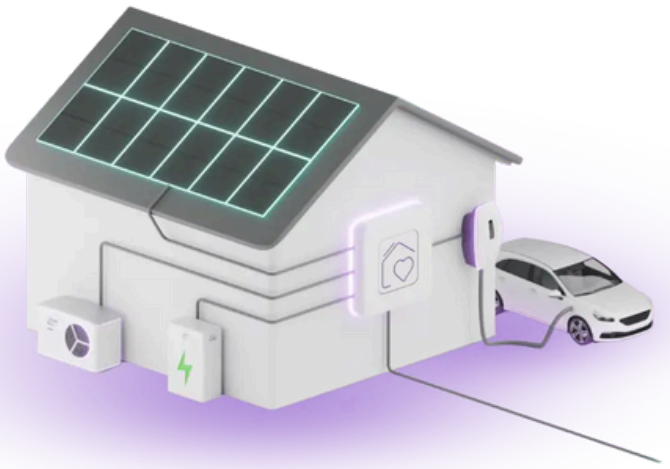
Paying back your investment as quickly as possible requires sizing up a system to match your daytime energy usage. In a perfect situation, you would use all the solar power that is generated.

For example, if you install an 8kW system for $9,600 and it generates around 11200 kWh every year, if you pay on average 30c/kW for your power, you could save over $3360 a year on your bills. This would result in a return on your investment in less than 3 years! It is difficult to use 100% of the power a solar system generates; however, if the system is sized correctly, you should be able to use around 80% or more.



The reason returns diminish when you have a larger system than you need is that instead of saving money from your bill by using solar power, you are selling excess solar power to the grid at your contracted feed-in tariff rate (often around 11 cents per kWh).

However, with Electric Vehicles becoming more common, most customers are installing larger systems now to get free power to run their EV later. Adding a battery also allows for more savings from a larger system.



If you are environmentally motivated, the bigger the solar system, the better, as you are reducing your reliance on polluting industries such as coal and gas and helping to produce clean, renewable energy.

Buying a solar system is one of the biggest steps you can take as an individual and a household to help build the renewable energy sector and reduce our reliance on old and polluting technology.

We've established that solar is great for the planet, even more so if it lasts long. Unfortunately, some cheap systems fail as little as five years, even with a '25-year warranty'. Many of those panels end up in landfills, which defeats the purpose.

Choosing a well-designed, high-quality system matters. Not only does it perform better and last longer, but it also reduces your environmental footprint over the long run.

Lower your system's upfront costs

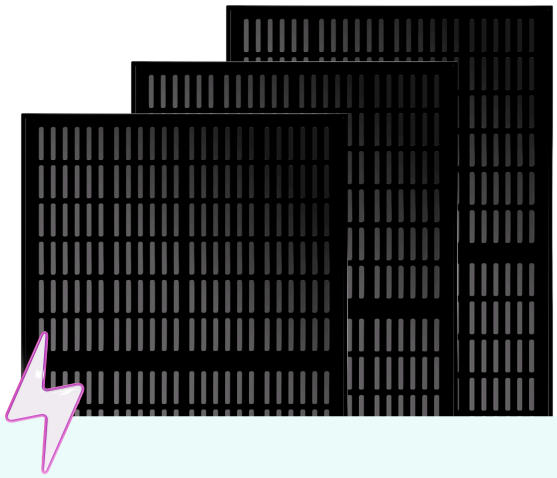
What Solar Rebates Can You Claim?

Government incentives are available to residential and commercial premises in Australia that install Solar Panels. These rebates can mean significant reductions in the cost of Solar Systems and have been designed to encourage Australia's use of renewable energy.

The government incentives are a part of Australia's Renewable Energy Target. When you install a solar system, a number of Renewable Energy Certificates (called STCs) are created. These Certificates are then purchased from you by Energy Companies as part of their Renewable Energy commitments.

The number of STC's depends on the size of the system. There are currently great rebates available on all our solar systems, and the larger your system, the greater the rebate. 1KOMMA5° make it simple for our customers by simply deducting the value of the STC's from the purchase price of your system.

5kW System - $1,900 rebate
10kW System - $3,800 rebate



Key Benefits of Switching to Solar

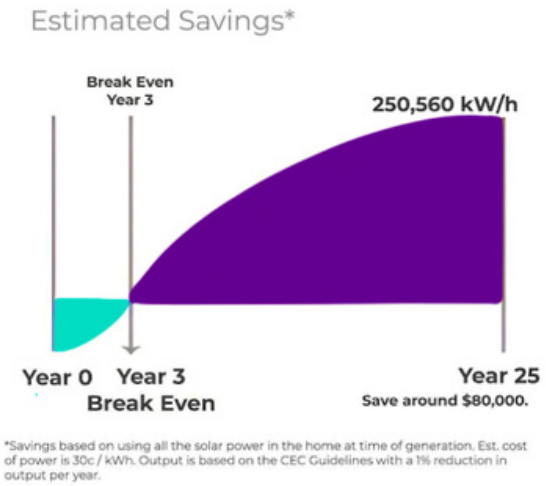
- Solar power can save you around $100 per kW per quarterly bill.
- A solar system will output (kWh) around 4 times its size (kW) per day.
- Battery storage allows you to use that energy 24/7.
- Currently Australians are paying around 25-30c per kWh, which you save when using solar electricity.
- You can be paid for any extra power you don't use at a rate of 5- 12c per kWh.
- The payback period is generally 3-6 years.
- The government incentives will give you $3,800 off a 10kW system. More for bigger systems.

Sweet spot for Aussie homes

Solar Savings with an 8kW System

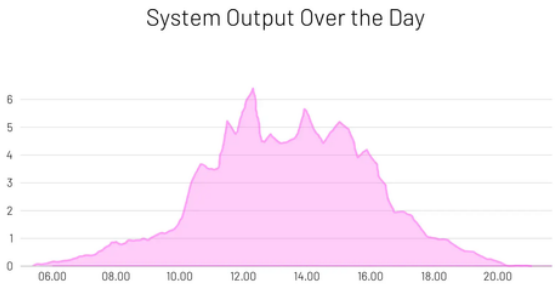
Due to rising power prices and better solar technology, the payback period for solar has never looked better. A well-installed 8kW solar system can now pay itself in just 3 to 5 years. Over 25 years, it could save you as much as $ 80,000 on your electricity bills.

That's a big financial win. You're redirecting thousands of dollars away from fossil fuel companies and into the future of clean, renewable energy in Australia.



The actual energy output of an 8kW system can vary depending on:

- Roof orientation and tilt
- Shading from trees or nearby buildings
- The quality of the solar panels and the inverter
- The standard of installation



According to the Clean Energy Council, an 8kW system in Sydney should generate around 11,500 kWh per year (about 32 kWh per day). But that's a conservative estimate. We often see well-installed systems using high-quality components like Enphase produce even more energy than expected, sometimes 10% or more above average.

To estimate your savings, check your electricity rate. If you're on:

- **Flat rate,** solar saves you about 25c per kWh
- **Time-of-use billing,** your solar savings can average 30c per kWh

Then, multiply that by your solar output. An 8kW system producing 11,500 kWh annually at 25c–30c per kWh adds to serious savings.

Tip: You could save even more if you use most of your solar power between 2 pm and 8 pm, when electricity rates are usually higher. Choosing high-quality panels, like the 1KOMMA5° modules, can also boost your savings, as they last longer and generate more energy over time.

Orientation, weather, and more

What Affects Your System's Output

Your solar system doesn't produce the same amount of energy every day, and that's completely normal. The daily output can vary depending on a few key factors:

- **Roof Angle & Direction** - Solar panels facing true north perform best. East or west-facing roofs still work well, just with slightly lower output.
- **System Size** - Bigger systems generate more energy. Under the same conditions, a 6kW system will generate less energy than an 8kW system.
- **Weather** - Your solar output can vary every day. Solar performs best on sunny days, but still works in cloudy or rainy weather, producing a lower output.
- **Shade** - Trees, chimneys, or nearby buildings can reduce output if they block sunlight. A well-designed system will minimise this.
- **Seasons -** Naturally, you'll get more power in summer and less in winter.

That's why installers use performance estimates based on long-term averages. Under CEC's guidance, a well-installed system in Sydney produces around 3.9 kWh per day for every kW of solar. With that, a 6kW system produces about 23.4kWh/day and an 8kW system about 31.2kWh/day. Of course, production fluctuates daily, depending on the weather and time of year.

Does solar still work on cloudy days?

Even in low light (early mornings, overcast days, or light rain), solar panels still generate power. It's just reduced compared to a sunny day.

For example, on a cloudy day, an 8kW system might generate 4 to 5kW at its peak, rather than the usual 6–8kW. On especially dark or stormy days, production may briefly drop below the level needed to power your inverter. This is why the system shuts down briefly at night or during storms.

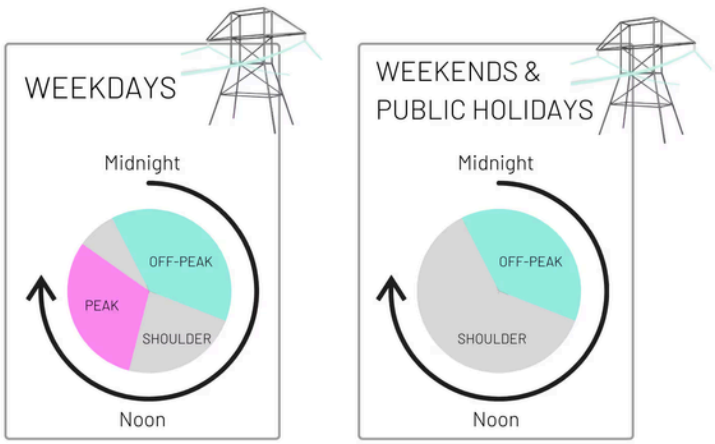
Capturing most sunlight

Best Panel Direction for High Output

Solar panels generate the most energy over the course of a year when they are facing north. This is especially important in winter when the sun is lower in the northern sky. A 1KOMMA5° consultant can use specially designed software to demonstrate the sun and shade that your roof will have in winter, summer and at any time during the year.

If your house has a north-south roof line, we can install panels on either the eastern or western roof, depending on what time of the day you use the most power. Many households will use more power in the afternoon when the kids are home from school and the air conditioner and pool pumps are running. If this is the case, we would recommend installing solar panels on the western roof.

The other point that can influence this decision is time-of-use billing. In this case, you may want to have some panels facing west to cover the peak billing period.



It is important to understand that panels installed on a roof facing south of either east or west, will generate significantly less power than a solar system facing north. However, although this will reduce the output in winter (and also reduce your annual savings), it will still work well in summer. This may or may not suit your individual goals.

Solar is a long-term partnership

Select the Right Solar Installer

Switching to solar is a big and exciting step. But who you trust to install your system matters just as much as the panels you choose. After all, even the best panels can underperform if they're not designed or installed properly.

Here's what to look for when you're deciding who to trust with your roof:

- **Accredited Solar Installer**
  This ensures your system qualifies for government rebates, warranty claims, and meets Australian standards.
- **No Sales Pressure**
  The best companies listen first. They'll recommend a system that fits your energy use, not just the one they're pushing to hit targets.
- **Years of Experience and Local Support**
  Choose an installer with a solid track record and a local presence. The longer they've been around, the more likely they'll still be here if you need help in the future.
- **Battery and Smart Energy Expertise**
  The energy market is evolving fast. Choose a team that's ready to help you take advantage of future tech — like batteries, dynamic tariffs, and energy management tools.

The Hidden Cost of Cheap Solar

- Many budget systems fail within 4–5 years, just when you expect your savings to kick in.
- 1 in 5 solar systems fail inspections, often due to rushed or sloppy installation work.
- Warranties on paper mean little if the installer disappears (and hundreds have).
- Fixing a dodgy install often costs more than the money you saved upfront.

More than 650,000 Australians are now considered "solar orphans", people left with faulty systems and nowhere to turn for help.

One of Australia's top installer

Build Better Solar with 1KOMMA5°

1KOMMA5° takes a more thoughtful approach to solar, focusing on long-term performance and flexibility.

Each system is carefully designed to suit your home's current energy needs, with the flexibility to adapt as those needs change over time. That includes battery-readiness, preparing for an EV charger, or ensuring the system works seamlessly with smart energy management.

The goal is to help you get the most from your investment, not just in the first few years but for the decades ahead.

Global Technology, Local Support

Our tech lab in Berlin is the home of leading tech experts from companies like Google, with a team dedicated to developing products for Australia.

As we expand globally, now in seven locations across Germany, Australia, Denmark, Finland, the Netherlands, Spain, and Sweden, our commitment to advancing sustainable energy never stops.

Operating for over a decade and with more industry experience than almost any other solar company, 1KOMMA5° is now one of the leading Australian installers of residential solar and battery systems.

Recent Industry Awards

NO. 1 SOLAR INSTALLER BATTERY QUEENSLAND SUNWIZ AWARD 2025

NO. 2 SOLAR INSTALLER BATTERY AUSTRALIA SUNWIZ AWARD 2025

TOP 5 SOLAR INSTALLER AUSTRALIA SUB-100kW SUNWIZ AWARD 2025

TOP 5 SOLAR INSTALLER AUSTRALIA SUB-100kW SUNWIZ AWARD 2025

TOP 10 SOLAR INSTALLER AUSTRALIA OVERALL SUNWIZ AWARD 2025

TOP 10 SOLAR INSTALLER COMMERCIAL AUSTRALIA SUNWIZ AWARD 2025

Built for flexibility

Benefits of a Battery-Ready System

If you're considering solar, it's natural to start with panels, but the type of inverter you choose can shape the future of your system. A battery-ready system, powered by a hybrid inverter, frees you to start saving with solar today and easily add battery storage later. It's a smart way to plan without overcommitting upfront.

Instead of settling for a basic setup you'll likely outgrow, a hybrid system adapts as your needs change. Maybe you're not ready for a battery now, but energy prices are rising, and storage is becoming more affordable. A prepared system enables you to upgrade without needing to rip everything out or start again.

A hybrid inverter could be ideal if you:

- Want solar now, but may add a battery in the future
- Value a streamlined system
- Want to avoid the cost of upgrading later
- Like the idea of real-time insights and automation
- Are future-proofing for smart tech or EV charging

A battery-ready system is achievable with 1KOMMA5° products. You can combine high-performance solar panels, modular battery modules, a smart hybrid inverter, and its intelligent Heartbeat energy management all in one system.

But more importantly, they're engineered to work as one so homeowners can enjoy simple control, greater efficiency, and fewer surprises over time.

Choosing solar panels, a hybrid inverter, a solar battery system and energy management software from the same provider helps ensure that every part of your system works well together.

You get:

- A single point of support
- Compatibility across components
- Fewer unknowns if something needs servicing

Support beyond install

The 1K5° Care Program

Like any major investment, it's worth thinking about what could go wrong with your solar and who will be there to help if it does. Even the best solar systems can face hiccups over time, including panel faults, wiring issues, or inverter glitches.

Who installs your system and what kind of support they offer afterwards makes all the difference.

At 1KOMMA5°, this isn't just an afterthought. Our 1K5° Care program ensures your system keeps performing at its best, year after year. It's a comprehensive aftercare promise, not just a safety net.

Performance Monitoring

If you've installed a 1KOMMA5° or Sungrow inverter, we actively monitor your system's health and performance. If something goes wrong, we'll let you know.

30-Year Workmanship Guarantee

Our long-term workmanship guarantee covers the quality of your installation.

90-Day Health Check

Three months after your system goes live, we take a second look to make sure it's living up to expectations and recommend tweaks if needed.

Local Support

You'll get a response from our Australian support team within 24 hours (Monday to Friday), no outsourcing, no runaround.

Annual New Energy Plan

Your home changes, and so can your energy needs. Once a year, one of our New Energy Specialists checks in to help fine-tune your system, adapt to lifestyle changes, and uncover new ways to save.

Take control after sunset

Use Your Solar During Night

People who are looking to eliminate their bills entirely buy solar with batteries. Really simply, battery storage captures any excess solar power in the daylight hours and uses it to power your home at night.

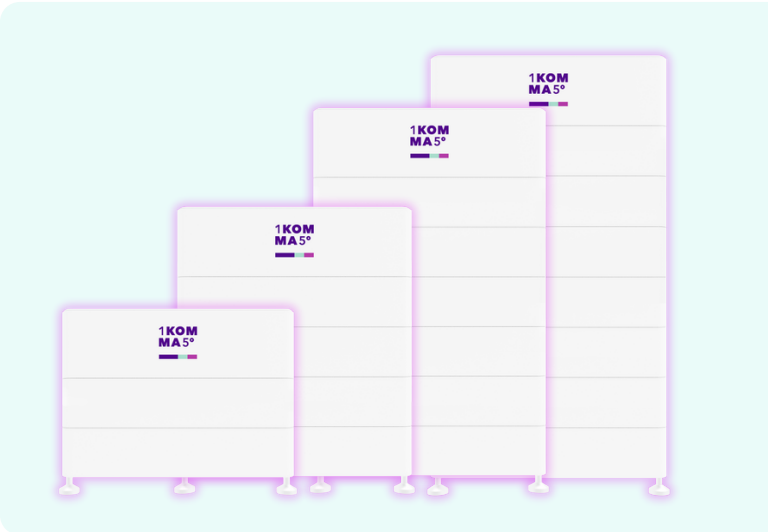
Solar with batteries is the better option because it protects you from any further increases in the price of electricity. If you have solar only and the power price shoots through the roof, you're still paying the higher rates for any power you use at night.

Top Solar Battery Brands

1KOMMA5° systems are battery ready and are fully compatible with the leading brands on the market, including the Tesla Powerwall 2 and the Enphase AC battery.

Solar batteries can be installed with your system or added to an existing system. We connect the batteries directly to the meter board, where we install a control hub that manages power consumption and storage in the home.

No two households use energy the same way. That's why 1KOMMA5° systems apply modular design that can adapt to your lifestyle and grow with your needs.



You can monitor your usage in real time, see when your home uses the most power, and add more battery capacity if and when you need it. Many customers start with one battery and expand later, especially after they get a feel for their energy habits or make changes like working from home, getting an EV, or installing a pool.

By combining solar and battery storage, you unlock more than just savings. You gain control and energy independence.

TRANSFORM YOUR HOME WITH NEW ENERGY

Going solar is a big decision. You don't have to figure it out alone. Ask a question, request a quote, or get the facts. We're here to help you move forward with confidence.

OUR CONTACT INFO | 1300 513 846 sales@1komma5.com.au

YOUR NEXT STEPS TOWARDS SOLAR

Step 1: Request a quote with the contact info above ↑

Step 2: We'll give you personalised recommendations.

Step 3: We install your solar power system.

Step 4: We stay as your energy partner.

OUR LOCATION

1KOMMA5° Queensland

Address: 8 / 604 Pine Ridge Rd, Coombabah, QLD, 4216

1KOMMA5° New South Wales

Address: 8/213 Miller Street North Sydney NSW 2060

1KOMMA5° Victoria

Address: 3/8 Sawmills Way, Torquay, VIC, 3228

1KOMMA5° South Australia

Address: 336 South Road, Croydon Park SA 5008