YOUR HOW TO GUIDE

For Installing a Home Battery

STORE YOUR SOLAR ENERGY. SAVE ON BILLS. POWER YOUR HOME.

Why Choose a Home Battery?
(You don't need solar!)

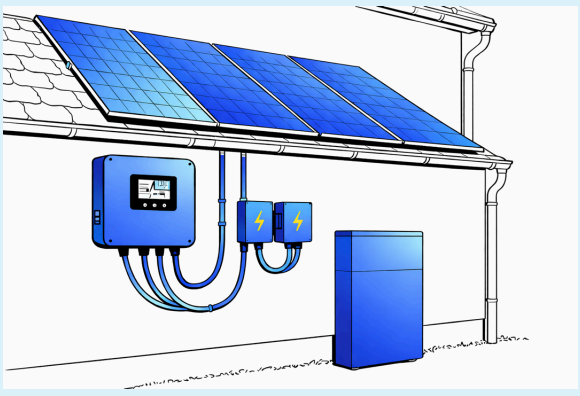
Lower Energy Bills - Beat the Peak
Batteries reduce expensive grid electricity use during peak times (5-9pm) when power prices are highest.
Example: Can reduce electricity bills by around $700 per year.

Maximised Self-Consumption and Long-Term Savings
Using your energy yourself is now worth nearly 10 times more than selling it back to earn feed-in tariffs. House-holds can save thousands of dollars over many years.
Example: Over 15 years, a 10-15kWh battery in an average home can save $15,000 to $17,000 (2025).

Blackout Protection
Energy Independence and Resilience
Batteries allow you to control your energy use and provide a source of energy during blackouts. They support a more stable electricity grid. Homes with batteries have lower demand for grid power during peak hours, reducing reliance on gas and coal.

Better For The Environment
Using your own stored renewable energy reduces the demand for, and the use of, gas and coal powered electricity. It also reduces emissions and air pollution.

Virtual Power Plant
By allowing a provider to occasionally buy some of your stored energy to stabilise the grid, you can earn credits per year on top of your standard savings.



Your Battery Installation Checklist

- [ ] **Research to Consider Battery Brand and Size**
  Look at your electricity bills to understand how much energy you use, especially during peak evening hours (5-9pm). Online solar calculators can provide estimates of suitable battery options. Choose a size that covers your evening energy needs and allows for future electric appliances and an electric car.
- [ ] **Check Compatibility**
  Ensure the solar panels and and the inverter for new or existing solar panels are compatible with the battery system. Your installer will advise you.
- [ ] **Research Federal, State and Local Council Rebates and Incentives**
  Check what rebates, loans or incentives are available to reduce upfront costs.
- [ ] **Get Quotes from Approved Installers**
  Contact Solar Accreditation Australia (SAA) for approved installers. Ask friends and families who they used. Compare brands, sizes, warranties and costs.
- [ ] **Installation**
  Including Optional Blackout Protection
  Installation usually takes 1 day. The battery is installed in a compliant location (e.g. a garage) and mounted to the wall or on a concrete floor pad per Australian safety standards. The electrician installs new circuit breakers and wires the battery into your switchboard. For blackout protection, an "essential loads" sub-board is set up to prioritise power to certain appliances.
- [ ] **Monitoring and Optimising**
  Including Asking Your Energy Retailer About Battery-Related Energy Plans
  You'll be set up with a monitoring app (e.g. Tesla, SolarEdge, or Sungrow) to track your energy flow and battery health in real-time. Use monitoring apps and settings to maximise your savings and battery lifespan.

References:
- **yourhome.gov.au/energy**
- **energy.gov.au**
- **rewiringaustralia.org**

This guide is for information purposes only, it is not professional advice, and Zero Emissions Solutions has no liability. Please do your own research and chat with a professional to make the best decision for your home.