

Strongvox EcoWise

With **Strongvox EcoWise**, you can reduce your energy and water consumption for a greener world, whilst saving money on your bills.

Energy efficiency, lower costs







Smart living

“At Strongvox Homes, we pride ourselves on creating beautifully designed, high-performing, energy-efficient modern homes that seamlessly fit into daily life while complementing the West Country’s unique landscapes. Our EcoWise standard incorporates smart technology and advanced features, including air source heat pumps, optional solar panels and battery store, enhanced insulation, high-spec windows, and EV charging points into our latest homes. These innovations significantly reduce energy use and carbon emissions, helping homeowners save money while minimising environmental impact. We are committed to not just meeting but exceeding current build standards, striving to set the benchmark for smart, eco-friendly new homes across the South West.”

Toby Ballard

Managing Director, Strongvox Homes


**Strongvox
Homes**



Eco-friendly smart homes

EcoWise integrates the latest water-saving, renewable energy, and energy-efficient technologies to make Strongvox homes more attractive to buyers, and lenders.

New vs old home - energy savings

On average, our new build homes use 60% less energy than older properties, reducing the average energy bill by more than £130 a month and saving homeowners over £1,570 a year*. The potential annual savings rise to more than £1,980 when comparing the energy performance of houses specifically.

The average new build house is 65% more energy efficient than older houses, resulting in energy bill savings of around £165 a month – that's an annual saving of more than £1,980.

On average, it would cost around £70,000 to bring an average 3-bedroom second-hand home up to the same level of energy efficiency as one of our new Strongvox EcoWise homes.

Strongvox EcoWise energy performance

New build properties are increasingly more energy efficient, with all new Strongvox EcoWise Homes achieving an A or B EPC rating, compared to 5% of older properties.



*Figures based on a 2024 Home Builders Federation report

New vs old home - Water savings

New build homes cut water usage, saving households £120.

Last year's new build homeowners helped save more than 3,300 Olympic-sized swimming pools worth of water and were rewarded with bills that were on average 27% cheaper than those living in older properties, new research shows.

Wat-er Save report findings

The 'Wat-er Save' report released by the Home Builders Federation examines the increasing water efficiency of the homes now being built in England and Wales. It finds that the average new build household uses 96,000 litres of water per year, compared to 130,000 litres used by occupants of existing properties. As a result of these water efficiency features, the research shows that new build homes have collectively saved more than 42 billion litres of water in the last five years - the equivalent of four times the amount of water passing through the River Thames each day.

With the strain on water resources increasing due to climate pressures, population growth and mounting demand, the home building industry and the residents of new build homes are playing an increasing part in supporting reductions in water consumption.

New vs old home - 'eco-favourable' mortgages

There are a growing number of specialist mortgage lenders that provide competitive rates especially for high performing, energy efficient and sustainable new homes, with environmental and financial benefits.

EcoWise

Energy efficiency and cost savings come as standard in our latest homes. We call this EcoWise.

Solar panels (photovoltaics)

Generate renewable, clean energy

plus battery storage

Opt for a battery upgrade to store excess energy for use during evenings or cloudy days, maximising savings and enhancing your home's energy independence



Reduced water usage

Compared to older homes, Strongvox incorporates features that allow theirs to use much less water

Low energy LED lighting

Uses up to 90% less energy and reduced maintenance but with improved lifespan, and excellent performance

Air source heat pump or 'A' rated gas boiler

We install highly efficient heat pump systems to utilise air energy or top-performing A-rated gas alternatives to significantly reduce energy bills and emissions. Homeowners can further maximise comfort and savings by integrating smart heating solutions like Nest, Hive or Tado, which can further optimise efficiency

Electric vehicle charging points

Included as standard for future-ready, eco-friendly convenient home charging at optimal speeds, which can benefit from competitive, intelligent EV tariffs

High specification windows and doors

Double-glazed thermal frames minimise heat loss and draughts, boosting energy efficiency and comfort year-round. Durable and sustainable, they lower energy bills and noise levels while offering exceptional security

Enhanced insulation

Exceeding industry standards, we use a combination of high-performing products to effectively reduce heat loss (and gain), resulting in lower energy bills and a reduced environmental impact



Strongvox
EcoWise

A smarter, greener home

EcoWise is designed with energy efficiency at its heart helping you save money on your bills, lower your carbon footprint, and enjoy a beautiful, comfortable home:

Air Source Heat Pumps

Select EcoWise homes feature highly efficient air source heat pumps (ASHP), around 260% more efficient than A-rated gas boilers, cutting energy bills and carbon emissions by drawing energy from the air.

ASHPs take the warmth from the outside air and transfer it to water. Air is drawn into the heat pump by a fan and blown across an evaporator filled with liquid refrigerant. The refrigerant absorbs the heat from the air and evaporates, turning into a low-temperature gas.

The gas is then passed through a compressor to increase the pressure and temperature. This hot gas is then circulated through a heat exchanger, where it transfers its heat into the water, which runs through the home's heating and hot water circuit.

Once the water reaches the desired temperature, it's sent to the radiators or underfloor heating system. It can also be stored in a hot water tank for use in taps and showers. Heat pumps are a low-carbon form of heating, since they run on electricity rather than gas.

That's why we're installing them across selected new **Strongvox EcoWise** homes to help lower our carbon footprint. Because the process is run on electricity, it's incredibly efficient and eco-friendly.

Even if the temperature drops as low as -15°C , our air source heat pumps will still effectively warm your home. The system has weather compensation controls to ensure maximum efficiency: warmer outside weather lowers the flow temperature in the radiators, while colder weather increases it, ensuring optimal comfort year-round.

Energy efficiency

Heat pumps operate at around 350% efficiency, making them roughly 260% more efficient than an A-rated gas boiler.

Cost savings

Heat pumps contribute to lower energy bills, particularly for homeowners switching from older, less efficient systems.

Sustainability

Powered by air, heat pumps significantly reduce your carbon footprint, making them an ideal eco-friendly heating solution.

Maintenance Tips

- Have your heat pump serviced annually by a qualified engineer to maintain optimal performance.
- Keep the area around the pump clear of debris like leaves, dirt, or snow to ensure proper airflow.
- If you notice steam coming from the heat pump, it's part of a normal de-icing process.
- Always keep the system running to avoid needing more energy to reheat your home. Use the "Comfort" and "Set-back" temperature controls for more efficient heating.



Enhanced insulation

Our enhanced insulation goes beyond the industry standard, ensuring your home retains warmth in the winter and stays cool in the summer. Insulation is key to energy efficiency, preventing unnecessary heat loss and keeping your energy bills low. By utilising advanced materials and installation techniques, we ensure our homes have minimal heat escape, reducing the need for constant heating or cooling. This not only lowers energy costs but also significantly reduces your home's environmental impact.

High specification windows and doors

We install high specification windows and doors to further enhance energy efficiency. These are designed with the latest double glazing and thermal frames to minimise heat transfer, keeping your home warmer in the winter and cooler in the summer. By eliminating draughts and increasing insulation, our windows and doors contribute significantly to reducing your home's overall energy consumption. Their durability and quality also improve the long-term sustainability of your home.

Solar Panels (Photovoltaics) with battery upgrades available

Harness the power of the sun with solar panels installed on selected **Strongvox EcoWise** homes. Solar panels generate clean, renewable energy, reducing reliance on grid electricity and lowering carbon emissions. For even greater energy independence, we offer battery upgrades to store excess power for use when the sun isn't shining, maximising your savings and energy efficiency. With the ability to generate your own electricity, you can drastically reduce your energy bills and contribute to a more sustainable future.

Low energy LED lighting

Our homes come with low energy LED lighting installed throughout, ensuring energy savings without compromising on brightness or quality. LED lights use up to 90% less energy than traditional bulbs, last significantly longer, and require less frequent replacement. This not only cuts down on energy consumption but also reduces long-term maintenance costs, making it a smart and eco-friendly lighting solution for every room in your home.

Electric vehicle charging points as standard

Future-proof your home with electric vehicle (EV) charging points installed as standard in most **Strongvox EcoWise** homes. With the rise in electric vehicles, having a dedicated charging point at home ensures you're ready to make the most of this shift to greener driving. Convenience and optimised charging speeds plus the savings available on intelligent EV tariffs. Whether you already drive an EV or plan to in the future, having a charger ready at home makes for easy, convenient, and cost-effective charging.





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EcoWise

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