



# Solar Battery Storage for Homeowners

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Solar battery systems are becoming increasingly popular with homeowners with solar PV systems fitted, and it is easy to understand why. Our team of renewable technologies experts are here to help you to harness the power of the sun.

Our team of solar battery installers have years of experience in creating bespoke solutions for your home, to ensure you are maximising the benefit of going solar. Our residential installation team cover the UK

Solar battery storage systems help homeowners to get the most out of their solar energy generated, which in turn helps them to reduce their reliance on electricity from the National Grid during times when the sun isn't out. The solar batteries allow you to store the electricity generated from the sun through your solar panels. This stored energy can then be used during the evening or a later date. Using solar battery storage is an excellent way to maximise the green benefits of going solar.

As a renewable energy source, solar helps reduce these harmful emissions by reducing the demand for fossil fuel resources. Although it may not seem like one home can make a difference, just one 5 kilowatt system is the equivalent to planting 150 acres of forest, removing over 100 tons of carbon emissions, or taking two cars off the road.

Not every solar system requires a battery, but they can be beneficial in certain cases. Batteries can help mitigate demand-based utility charges, which raise rates at peak times. They can also be useful as backup power in areas with frequent power outages.

If your property already has PV installed and you want to add a battery at a later stage, you will need to have a separate battery and PV inverter installed. This is because the battery is essentially joined to the PV system after the AC conversion has already been completed.

In terms of physical dimensions, the battery and inverter in total will be just over a metre in width and up to to metres in height. These systems can be housed in a convenient location out of the way such as a utility room or garage.

There is no one best location for a battery within a house; our detailed survey will identify the best location for the battery. It will need to be relatively close to the main unit, however we will always endeavour to place it somewhere out of the way such as a cupboard.

Yes, many modern solar batteries can go in the loft as long as they are lightweight enough. When it comes to the installation, sufficient access to the loft will be required as the batteries can be rather large.



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The amount of time that the solar battery can run your home will depend on the capacity of the battery system and the level of charge. Some home batteries, like the Tesla Powerwall 2, could potentially power your home for more than 24 hours from a full charge, because the capacity of the battery is more than the average daily household usage of electricity. However, if it is only partially charged, or if you have a battery system with less capacity, the energy won't last as long when powering your home.

From our own experience of these products and the very slow degradation of the types of batteries used in the home battery systems, the likelihood is that a home battery system will usually significantly outlast the warranty. It is the same as any other electronic product in this respect – if you bought a TV with a 5 year warranty, you would reasonably expect it to last for 10+ years.

We can advise on the best home battery system for your needs and make sure that all warranty information is clearly understood, on all aspects of the installation. Get in touch today for more information.

Contact us for free full report

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