

Home Batteries: Energy you can bank on

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Over the past two years, the number of Mole Energy customers choosing to add battery storage to their home solar PV system has soared.

The reason? Rising energy bills mean battery storage makes more financial sense than ever before.

Energy demands

The National Grid has said: "Battery technologies are essential to speeding up the replacement of fossil fuels with renewable energy. They will play a pivotal role between green energy subsidies and responding to electricity demands."¹

Still, many homeowners are less aware of the benefits of battery storage than they are of solar panels. Here, I've answered some of our customers' most common questions about battery storage for the home.

What are home batteries?

They are indoor or outdoor units that store power from solar panels and other sources of electrical power, ready for the energy to be used later.

Why buy?

With battery storage, homeowners can use the energy generated by their solar panels during the day, and also use any excess energy generated, for use at night. Much of this energy would otherwise be wasted and sent back to the National Grid. Batteries can also be used to store electrical energy from the National Grid, at times when power costs less.

This way, batteries help homeowners to maximise the value of their solar panels and save significantly on their home energy bills. And for this reason they're becoming increasingly popular.

How much storage will I need?

This depends on your electricity usage and the power generated by your panels. A south facing 4kWp solar array can produce up to 30kWh of power a day, during summer, but the average homeowner

only uses around 10kWh of energy each day. A Tesla Powerwall 2.0 battery can store 13.5kWh of free excess power, for use when the sun goes down. The more energy-efficient your property and appliances are, the less storage you'll need.

Do home batteries work during a power cut?

The Tesla Powerwall 2.0 battery kicks in automatically during a power cut.

Can I add a battery to my existing solar PV system?

Yes. Adding a battery is an excellent way to drive extra value from your home solar. You'll use more of the energy you generate and buy less from the National Grid. We can add a battery to all home solar systems, even those installed by other providers.

Can I install a battery without solar?

Yes, if you install our Tesla Powerwall 2.0. You'll also need to be on an off-peak tariff with your provider. This enables you to save on bills by charging your home battery overnight when energy rates are cheapest, ready to use the power in the day when rates are more expensive.

How much do batteries cost?

Prices vary depending on the model, storage and functionality. Our batteries include the Tesla Powerwall 2, the Solar Edge Energy Bank and Myenergi's new eco-smart Libbi.

Prices range from £6,413 to £11,225, plus VAT installed, subject to survey, District Network Operator approval and connection charges.

Battery storage for the home is zero rated VAT, if purchased at the same time as your solar.

I receive a solar feed-in tariff (FIT). Will a battery affect my payments?

No, providing you install a battery system designed for this scenario. Our consultants can advise you on this.

Battery Storage - adding value in more ways than one.

Self-power your home with battery storage

Tesla Powerwall



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