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Charity No. 1159816

Energy Advice Drop In

The Wellbeing Centre

Church Stretton

Thursday's 10.00 – 12.00



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Home Battery Storage

Home Battery Storage is not a new technology but as prices of Lithium-Ion batteries come down it may, for some households with PV be a long term economic option.

The two guides mentioned below will help set the scene and maybe answer some of the questions.

Stretton Climate Care is not responsible for any of the guidance offered.

British Research Establishment (BRE) Batteries and Solar Power guide for householders

https://www.bre.co.uk/filelibrary/nsc/Documents%20Library/NSC%20Publications/88166-BRE_Solar-Consumer-Guide-A4-12pp-JAN16.pdf

The above link though a little dated gives good background information.

Energy Saving Trust – is home battery Storage right for me?

<http://www.energysavingtrust.org.uk/blog/home-energy-storage-right-me>

With rising energy costs, home battery storage systems become more cost effective. Surplus electricity from a PV array charges the battery and is released back into the household supply later in the day when the PV has stopped producing. Some battery systems can also be charged from the mains at off-peak times, to be fed back into the house when electricity is more expensive. Any battery system needs to be carefully sized to match the PV array and, to make things a little more complicated some battery systems provide power to the home during a power cut, whilst others do not. It is also possible with some systems (subject to local regulations) to sell stored electricity back to your supplier during times when electricity is expensive. Some home appliances draw considerable power, eg cookers, air source heat pumps, electric showers and these will quickly deplete a battery.

It is not necessary to have a PV array as home battery storage can be stand-alone and this might be a viable option for some, just charging during off peak electricity times. It could also provide emergency power for the home during power cuts especially if this is a frequent occurrence.

Battery storage systems are at the moment zero rated for VAT.

Caution - Please Read this:

Our Advice Note has been carefully prepared and is, as far as we know, accurate at the date of publication. However, things change very fast in the world of technology and in government schemes. Sometimes parts of Advice Notes become outdated and may not offer best advice very soon after publication. We do our best to keep them up to date with the limited resources we have. Furthermore, our advice may not be appropriate for your particular circumstances. We advise that you get advice from a relevant expert before making changes. We may be able to offer further advice or make suggestions on who to contact if you get in touch with us. We are not technical experts but have many years of offering common sense advice and we recommend you should not rely on our Advice Note alone for making decisions. The national advice centre Energy Savings Trust is a good source of information.

See <https://energysavingtrust.org.uk/>