

Green Homes Sheffield Host

Further information







Host address:	39 Stainton Road Sheffield S11 7AX
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More information about this home

A midterraced property built around 1900, this home has seen a range of improvements, most recently the installation of external wall insulation, with the help of a Green Deal Home Improvement grant. Insulation is also used extensively throughout the property, with a loft conversion providing internal insulation of the roof and walls. Internal wall and underfloor insulation are also on view.

Use of a combi condensing boiler, low energy bulbs and a woodburning stove make it a warm, low-cost property. Mono-crystalline solar PV panels with solar edge technology have been installed to lower the carbon footprint of the home.

Low carbon measures on show

-  **Low-cost improvements:** Loft conversion with internal insulation of roof and walls, thermostatic valves on radiators; draught-proofing and thick curtains!
-  **'Big' insulation works:** internal solid wall insulation of front wall of sitting room and first floor bedroom, Floor of sitting room insulated from cellar, inside of steps down to cellar having some insulation
-  **Lighting systems and electrical appliances:** A,combi condensing boiler, low energy bulbs, efficient washing machine.
-  **Renewable electricity:** 11 Sunpower 327 watt monocrystalline solar PV panels with Solar Edge technology for producing 3.6kW costing £6650 from Homeco,
-  **Renewable heat:** Clearview tertiary burner woodburning stove
-  **Lifestyle changes:**
 - Use mostly public transport, foot or bike to travel, but also share car citreon c1 petrol (used to be in Whipcar which has now folded).
 - A little food grown in backyard and also in nearby Rustlings Road allotment,
 - Generally don't eat meat,
 - Clothes and furniture generally from charity shops
 - Member of Streetbank, Green party, etc.



Personal insights

I have had some good insulation work done, as well as some very bad. My experience is that it is difficult to find builders who know how to do a thorough job (eg taking care not to leave cold bridging, and sealing against possible condensation), and who make the effort. Also, external wall insulation is relatively rare at the moment, so beware of builders who have not come across it before and don't know how to treat it when their work affects it. I recommend learning what to look out for before work is done (or getting an adviser) so that you can make sure it is being done properly.

My house is generally a lot warmer now, for which I am thankful, but it has been a stressful time having it done (including neighbour objecting)

PV panels newly installed so hard to tell what they will produce, but estimated payback time is 8.5 years.

