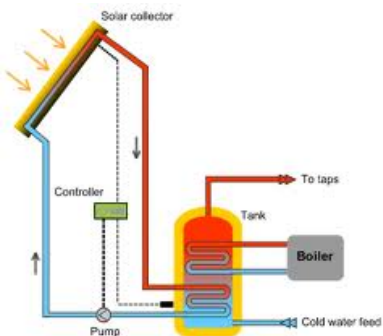




# affordable energy

## Call 0800 096 6356



## Solar hot water at a glance

- Works all year round
- Will typically provide 40 – 60 % of annual domestic hot water requirements
- Could save you between £50 and £85 every year
- Savings will be more as fuel prices increase
- Save up to 580kg of CO<sub>2</sub> emissions
- Requires little maintenance

### £ and CO<sub>2</sub>

The actual pounds and pence and carbon dioxide savings you will make depends on your home and lifestyle such as:

- How much hot water you use
- How you currently heat your water

### How Much Will It Cost

To get an accurate price you will need to have a survey of your property. An average a 2 – 3 bedroom house with 2 adults could pay around £4,800 for a system. We can arrange a free no obligation survey of your property – so why not give us a call today on 0800 096 6396

### What needs to be installed

Solar Water Heating normally involves the installation of the following:

- A dual coiled cylinder to replace your existing hot water store, it may be bigger than your existing cylinder
- Solar collectors mounted on the roof
- A pump and intelligent control system to optimise performance
- Additional pipe work and high temperature insulation

Depending on the condition of your existing cold and hot water systems, certain items may need to be upgraded to comply with current water and building regulations.

### How does it work

The solar panels (or collectors) in a solar water heating system absorb heat from the sun and use it to warm water. The water is kept warm in an insulated cylinder and drawn off when you turn the hot water tap on.

When there is not enough warmth in your hot water, your normal boiler switches on automatically and heats the water to the required temperature – as set by your hot water thermostat.

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### Is My Home Suitable

You'll need around 5 square metres of roof space which ideally faces south. Solar water heating systems are still effective when installed on east and west facing roofs. The roof will need to be free from shading from trees and other buildings and will need to be structurally capable of taking the weight of a solar thermal installation. Your installer will be able to advise further.

### Planning permission

Roof mounted solar thermal is now permitted under English planning regulations unless the panels protrude more than 200mm on the roof, or if they were fitted on the principal elevation facing onto or visible from a highway in a Building Conservation Areas and World Heritage Sites.. For guidelines on planning permission contact your local authority.

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