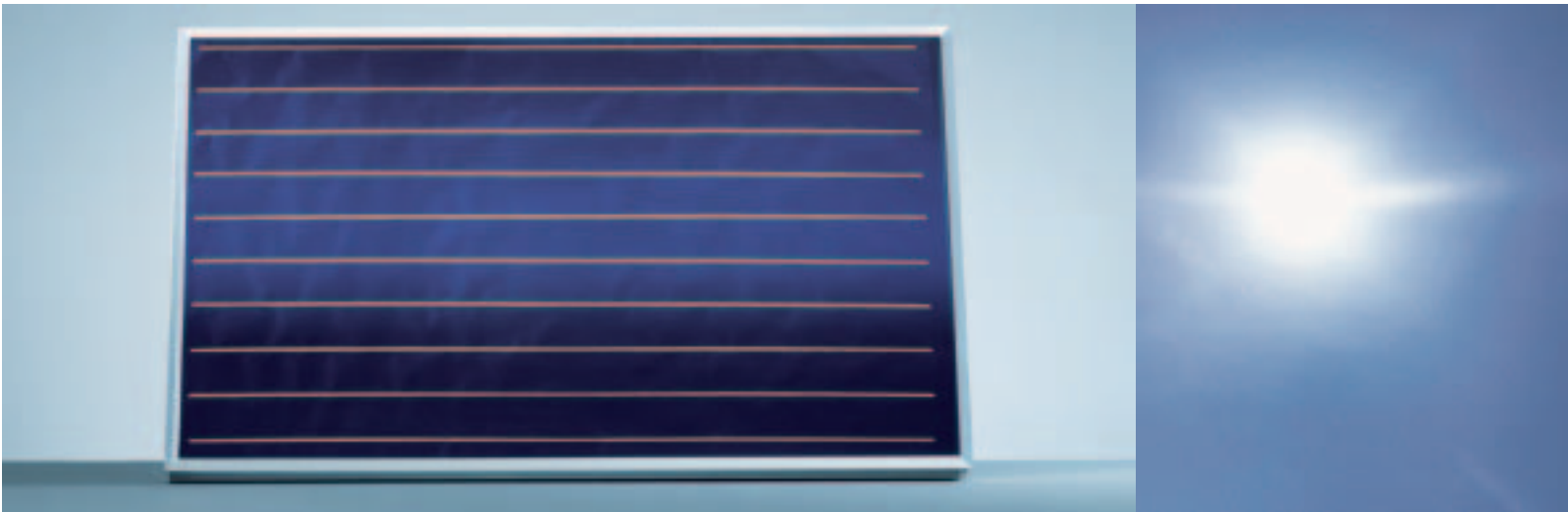


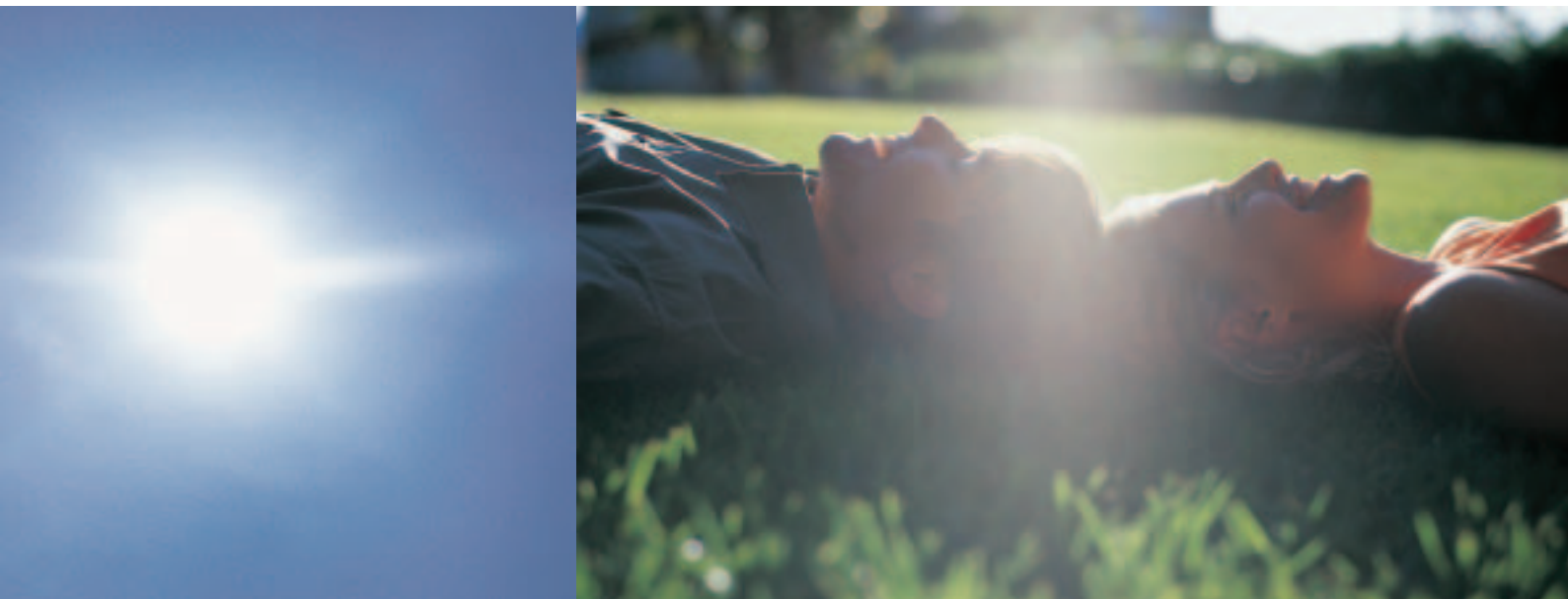
## Total solar system solution



Using the sun's energy  
to provide hot water



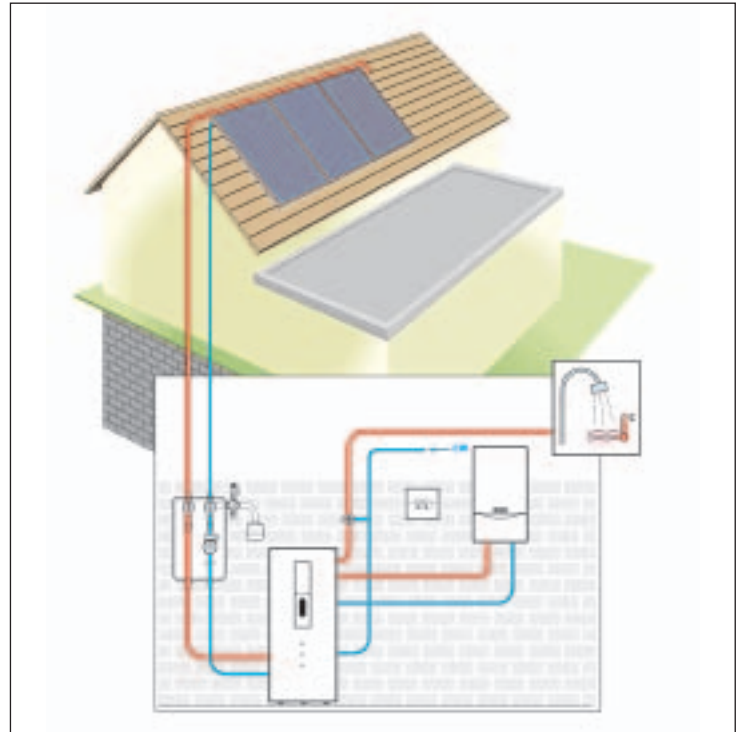
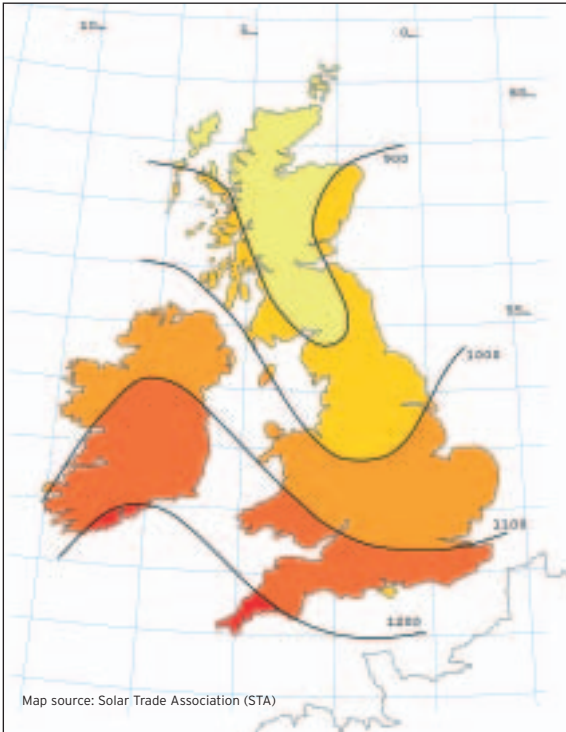
# Vaillant the natural choice



Vaillant are well placed to offer solar heating technology; with over 130 years experience of developing products that have shaped the heating industry. As Europe's leading boiler manufacturer, Vaillant sets the standards for performance, efficiency, quality and reliability. And just as importantly, it's about working with our customers to deliver exactly what they require. That's why, just as it is throughout Europe, our solar DHW heating system is the natural choice in the UK.

The whole of the UK is suitable for solar. Vaillant solar panels are one of the highest performing flat plate collectors currently available on the UK market and can be fitted using a range of mounting brackets to the pitched roof, flat roof, or even integrated into the roof, of a property to absorb solar radiation. The **auroTHERM** flat plate is highly durable and has an excellent price / performance ratio.

The sun's energy heats solar fluid in the solar collector which is then pumped by the solar pump unit to a coil designed to heat water in a dedicated stainless steel storage cylinder, **auroSTOR**. A second coil in the cylinder is connected to a conventional heating source, such as a gas boiler, to provide additional heating when there is insufficient solar energy available. The boiler is also required to provide central heating. Managed by the solar control **auroMATIC 560** the system is able to automatically switch between solar and the auxiliary heat source to ensure there is always hot water on demand.






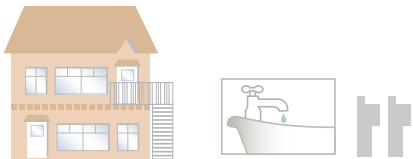
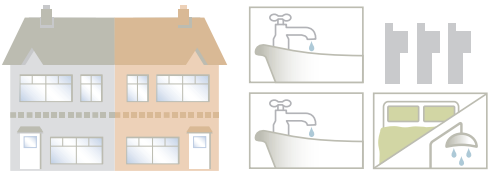
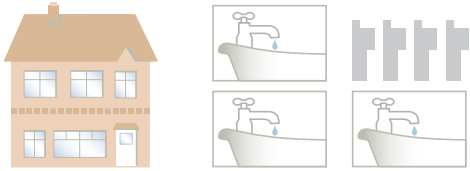
**Features and benefits**

- Uses indirect solar radiation, not just sunlight - for optimum efficiency
- Vaillant's solar DHW system can provide around 50-60% of annual domestic hot water requirements - helps reduce fuel bills and ensure hot water comfort
- Built-in intelligence - automatic switching from solar to conventional power when needed for consistent performance and hot water delivery
- Reduces CO<sub>2</sub> emissions - positive benefit to the environment
- Efficient, durable and stylish - adds

- value to your property
- Compatible for use with a new Vaillant boiler or an existing appliance - upgrade your whole system or use it with your existing boiler

To find out more about our solar domestic hot water systems or to be contacted by one of our Vaillant solar accredited installers please visit [www.vaillant.co.uk](http://www.vaillant.co.uk)

# Solar system sizing guide

	<b>Boiler</b> ecoTEC plus	<b>Solar system</b> auroTHERM flat plate collector	<b>Solar cylinder</b> auroSTOR
			
<b>Typical 2 or 3 bedroom semi-detached with 1 bathroom<sup>1</sup></b>			
	ecoTEC plus 415 or 418 ecoTEC plus 615 or 618	2 collectors	200 litres <sup>2</sup>
<b>Typical 3 or 4 bedroom detached with 1 or 2 bathrooms plus 1 en-suite<sup>1</sup></b>			
	ecoTEC plus 418 or 428 ecoTEC plus 618, 624 or 630	2 collectors	250 litres <sup>2</sup>
<b>Typical 4 bedroom detached with 3 + bathrooms<sup>1</sup></b>			
	ecoTEC plus 428 or 438 ecoTEC plus 630 or 637	2 or 3 collectors <sup>3</sup>	300 litres <sup>2</sup>

<sup>1</sup> Full heat loss calculation should be done to accurately size boiler and hot water requirement

<sup>2</sup> Recommended cylinder size assumes average requirement of 40 litres per person per day

<sup>3</sup> An additional flat plate collector might be required depending on solar radiation level and site conditions. Your installer will advise.