

# Photovoltaic panels go upstairs with pictures

How do in-roof solar panels work?

In-roof solar panels work in the same way as traditional on-roof panels. Both types of panels turn daylight into electricity using the photovoltaic effect. When light hits the solar cells, photons from the light are absorbed by the cells, creating an electric field across the layers of the solar panel and causing electricity to flow.

Are solar panels easy to install?

Installing solar panels is usually relatively quick and straightforward, but it's still worth getting to know all the ins and outs of how it happens. After all, considering how much solar panels cost, it makes sense to understand the process.

Can solar panels be mounted on a wall?

So, although it is possible to mount solar panels on a wall, it's not ideal. You're also less likely to be able to mount as many solar panels on a wall as you would on a roof, which means they won't generate as much electricity as a roof-mounted system. What are the pros and cons of wall-mounted solar panels?

Can solar panels be installed on a flat roof?

You can install solar panels on a flat roof, but it's not usually a good idea for domestic properties.

What is the difference between an in-roof solar panel & a traditional solar panel?

The one key difference between an in-roof solar panel and a traditional on-roof solar panel is usually weight, with in-roof panels being about half as heavy (around 10kg instead of 20kg). However, the trade-off for lighter solar panels tends to be a shorter product warranty.

Do solar panels work in winter?

This is because wall-mounted solar panels work best when the sun is lower in the sky, which is the case for longer periods during the winter in countries at high latitudes. If you have a lot of land space, you could also consider ground-mounted solar panels, or solar panel fences, another type of vertical solar panel system.

As explained in our in-depth article, [Are solar panels worth it?](#), the average UK solar panel system costs about £5,000, and this price includes installation by MCS-accredited solar panel fitters and qualified electricians. Here's our step ...

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To connect solar panels in parallel, you require an additional component known as an MC4 combiner (or MC4 multi-branch connector), this name differs for other types of solar panel connectors. The image above ...

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