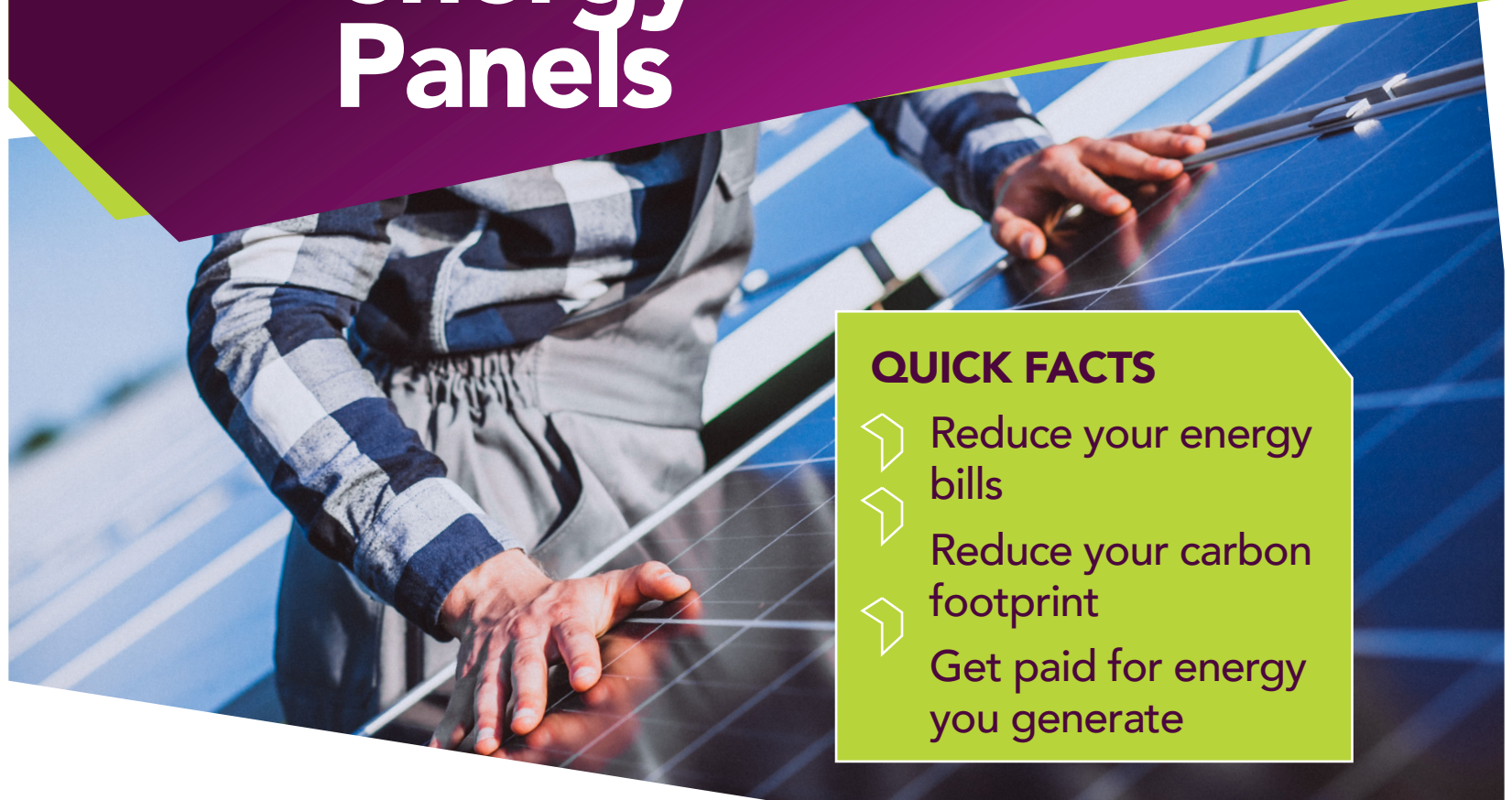



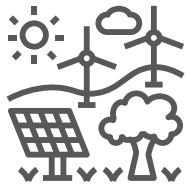


# Solar energy Panels



## QUICK FACTS

-  Reduce your energy bills
-  Reduce your carbon footprint
-  Get paid for energy you generate



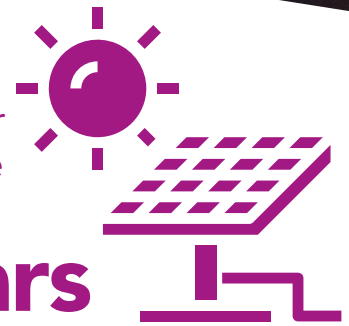
In 2020, **over 42%** of the UK's grid electricity came from renewable energy

**One hour** of sunlight could provide one year's worth of energy for the entire earth



The average solar panel will provide energy for

**40 years**



## How do solar PV cells work?

Solar electricity panels, also known as photovoltaics (PV), capture the sun's energy and convert it into electricity that you can use in your home.

By installing solar panels on your roof, you can generate your own renewable electricity.

When light shines on the panels, electrons are knocked loose, creating a flow of electricity. The cells don't need direct sunlight to work, they can work on a cloudy day. However, the stronger the sunshine, the more electricity generated.




# Solar energy panels

## Making your solar PV system work for you

**Reduce your energy use** - During the day, you'll be generating electricity even on cloudy days, but if you're using lots of energy, more than the panels are producing, you'll be using electricity from the grid too. Remember to turn devices off and avoid standby, and see our energy saving tips to reduce your use.

**Use more electricity during the day** - Your PV system will be producing the most electricity during daylight hours. So, it's a good idea to try and do activities such as washing, dishwashing and ironing that use energy during the day.

 **Top tip: If you're not at home in the day, then you might want to try setting up timers for your dishwasher and washing machine and other appliances.**

## Managing your system

We're installing this system in your property to help make it more energy efficient. Once installed the PV system works automatically, you won't need to turn it on or off or make any adjustments.

