

PDEOZE PowerContainer

BESS prices for solar panels in the UK



Overview

In October 2025, the average cost of solar panels for a typical three-bedroom UK home ranged from £5,000 to £9,000, depending on system size, equipment quality and whether you include a battery. How much do solar panels cost in the UK?

The most common type of system is the 4kW solar system, which costs between £5,000 – £6,000. It can save the average household about £660 per year, provided that they have a decent number of sunlight hours and are installed on a south-facing roof. In 2025, the price of solar panels in the UK can vary depending on several factors.

How much does a solar panel cost?

System size: Measured in kilowatt-peak (kWp), larger systems cost more but generate more power. Panel type: Premium monocrystalline panels (£1,000–£1,500/kW) are pricier than polycrystalline (£900/kW) or thin-film (£400–£800/kW). Installation complexity: Roof size, height, angle, and shading affect labour costs.

How much do solar panels cost in Northern Ireland?

Solar panels cost around £9,800 for a 4.5kW system, including installation and a storage battery. You'll pay 0 per cent VAT on the cost of your solar panels and installation. Your annual savings, if you have SEG (which isn't available in Northern Ireland) and a solar battery, can range between £883 and £1,016.

How can the UK make solar more affordable?

The UK government has introduced a number of measures to make solar more affordable. One of the most significant is the temporary removal of VAT on domestic solar panel installations, which runs until 2027. Normally, VAT would add 5 per cent to the total bill, but, currently, households pay zero VAT on panels, batteries, and related equipment.

How efficient are solar panels in the UK?

Most solar panels on domestic systems in the UK are around 15-25% efficient, although some types of solar panels for houses can reach efficiency levels above 25%. The most efficient type of solar panels are monocrystalline panels. These have efficiency ratings ranging from 20% to 25%.

How much does a kWp solar system cost?

For context, a 4.0 kWp system requires 10 such panels, plus labour and materials, bringing the total to £7,000-£12,000. Pro tip: Higher-efficiency panels cost more upfront but generate more electricity, potentially lowering your payback period.

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