

# **Solar panel and battery calculator uk**





## Overview

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To assess the impact of adding solar PV panels or battery storage on your energy consumption use our calculator. The calculator helps evaluate the financial benefit of an investment in solar panels and/or battery storage.

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To assess the impact of adding solar PV panels or battery storage on your energy consumption use our calculator. The calculator helps evaluate the financial benefit of an investment in solar panels and/or battery storage. The calculator takes your annual electricity use (kWh) and the annual output.

Select the number of panels you need and select your battery storage options. Savings estimates are calculated using the October 2024 Ofgem Energy Price Cap rate for electricity. The price per kWh may vary depending on your tariff. The estimates provided here are based on averages. Assumptions have.

Our Solar Panel Calculator helps you estimate the cost of installing solar panels and how much you could save on your energy bills in the UK. It also shows how long it might take for your system to pay for itself. With just a few details, you'll get a personalised breakdown, including: Solar panels.

UK solar panels typically pay for themselves in 8-12 years and provide a 150-200% return on investment over 25 years. The average UK household saves £900-£1,400 per year with a 4-6kW system at current electricity rates (27.03p/kWh). Our Pro calculator often shows faster payback with.

Use our free solar battery storage calculator to see how much you could save. Compare batteries and tariffs to see what's best for you.

To check solar panel costs and savings for your household! We will use your address to scan your roof, and estimate the solar potential. It only takes 5 seconds! Estimate how many solar panels you need, and how much power they will generate. Calculate how much you can save on your monthly and



annual. What is a solar panel calculator?

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What is a solar energy calculator?

The calculator helps evaluate the financial benefit of an investment in solar panels and/or battery storage. The calculator takes your annual electricity use (kWh) and the annual output of your solar system and works out how much of your solar generated electricity will be used in the home or exported to the grid.

How much do solar panels cost in the UK?

The average cost of solar panels in the UK is roughly £6,600 - £8,100, which can produce an ROI of £18,000 - £20,000. The payback period will be between 7 and 6 years, for these systems. This will depend on how many savings you have compared to your energy consumption and the cost of the system.

How does the solar calculator work?

Here's how it calculates each metric: Number of solar panels needed: The solar calculator considers your available roof space and energy consumption to determine the optimal number of panels. It factors in standard panel dimensions and efficiency ratings to maximise energy production within your available area.

How does a solar panel kWh calculator work?

Annual solar energy output: Using your location's sunlight measurement data and the proposed system size, the solar panel kWh calculator estimates your yearly kilowatt-hours (kWh) production. It accounts for factors like panel efficiency, roof orientation, and typical weather patterns.

How much does a solar panel system cost?

For flat roofs, homeowners can get ballasts and solar panel stands that they can angle and position for ideal sunlight capture. What is the estimated cost and return on investment (ROI) for a solar panel system?



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### [Solar Panel & Battery Storage Calculator](#)

To assess the impact of adding solar PV panels or battery storage on your energy consumption use our calculator. The calculator helps evaluate the financial benefit of ...

### Solar Panels Savings Calculators

Solar is one of the smartest long-term investments UK homeowners can make, but knowing where to start with the process can feel overwhelming. Our UK solar calculator takes the ...



### Solar Wizard

Solar Wizard calculates the potential to generate electricity from rooftop solar panels for homes in England, Scotland and Wales. It provides quick and independent predictions about the viability ...

### [Solar Panel Calculator UK 2025: Costs, Savings & Output](#)

Our solar panel calculator will need your location, roof details, energy consumption, system preferences, financial information, and additional



factors to estimate solar ...



### Solar Wizard

Solar Wizard calculates the potential to generate electricity from rooftop solar panels for homes in England, Scotland and Wales. It provides quick and independent predictions about the viability of solar PV on single buildings or ...

### [Solar Panel Calculator for UK Houses \(2025\)](#)

Our Solar Panel Calculator helps you estimate the cost of installing solar panels and how much you could save on your energy bills in the UK. It also shows how long it might take for your ...



### Solar Panel Calculator UK

Our calculator uses data from thousands of real solar installations across the UK, combined with location-specific factors like sunlight hours and regional installation costs.



### [Solar Panel Calculator UK 2025: Costs, Savings](#)

Our solar panel calculator will need your location, roof details, energy consumption, system preferences, financial information, and additional factors to estimate solar panel size, cost, and savings.



## Contact Us

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