



OVER
40
YEARS
OF QUALITY SERVICE

Your guide to solar

Solar made smarter. Savings made easier.



www.instagroup.co.uk

Why install solar?

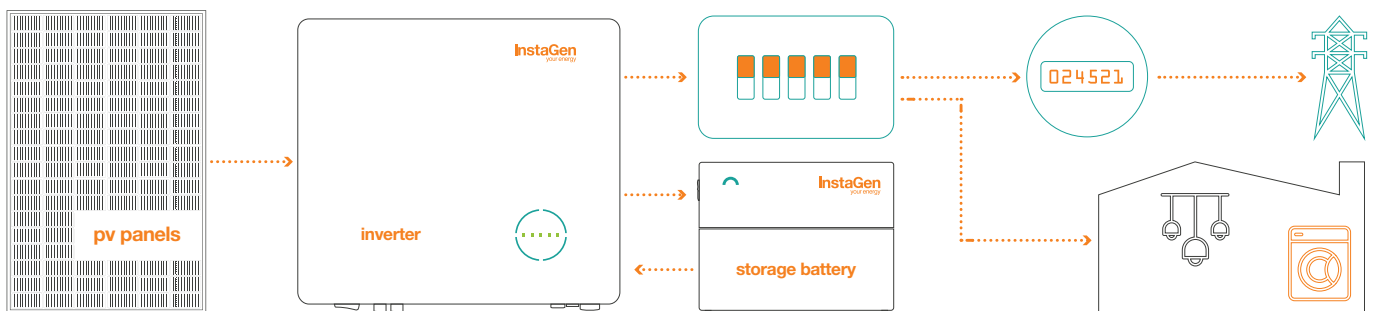
How much could you save on energy bills? Does solar work if it's a cloudy day? What are the benefits of battery storage?

We're always happy to answer your questions about solar. Here's an overview of the benefits.

Lower energy bills for years ahead

Solar can reduce your bills and also protect you from future energy price rises. We'll show you how much a solar installation could generate for your property, and calculate the savings you could make.

Generate 'free' electricity from solar PV



PV stands for 'photo-voltaic' – it means converting light into electricity.

Solar panels feature layers of PV cells and several layers of semi-conducting material. When light shines onto the cells, it generates an electrical field. This is called direct current (DC).

The DC from the solar panels flows through the inverter connected to the home's consumer unit, and the electricity is converted into alternating current (AC). It's the AC current that goes into the consumer unit for use in the home – electricity for lights, TV, cooking and so on.

Ask about installing **InstaGen** in your home.

call **0118 932 8811** or email solarenquiries@instagroup.co.uk



Control your home energy costs



Easy energy management



Good for the environment



A solar install pays for itself



Virtually maintenance free



Usually no planning permission required



Energy independence



Works on cloudy days



InstaGen: the all-in-one solar solution for your home

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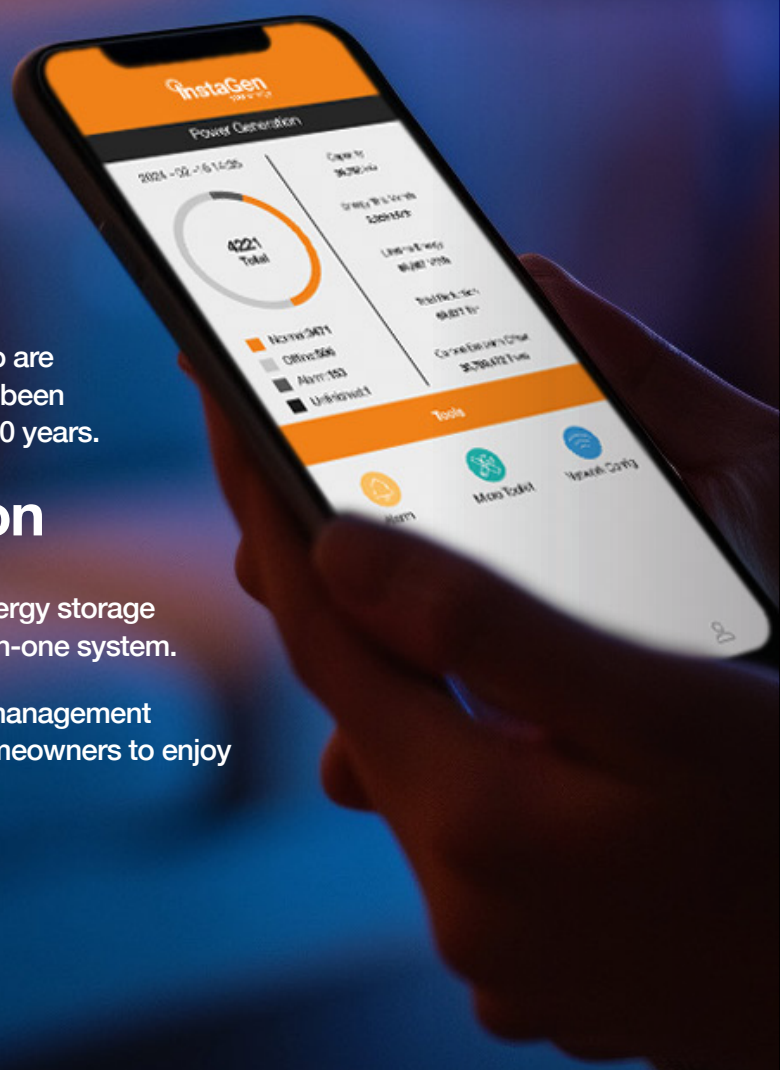
InstaGen is one of the first complete solar solutions available in the UK.

It's from InstaGroup, leaders in renewable energy, who are trusted for high quality and expertise. InstaGroup has been helping homeowners lower their energy bills for over 40 years.

The complete solar solution

InstaGen brings together the best solar PV panels, energy storage batteries and inverters to create a fully-compliant, all-in-one system.

With seamless connectivity and user-friendly energy management through the InstaGen app, it's simple and easy for homeowners to enjoy the benefits and savings of solar.

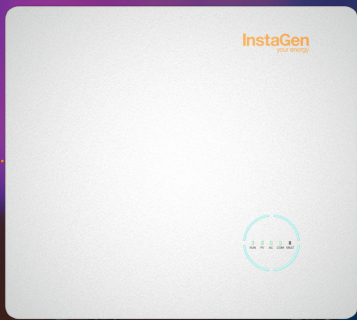


Quality that will deliver for years



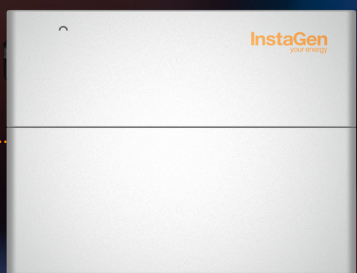
InstaGen solar PV panels

Leading quality, built for reliability and durability. Sleek and high-performing.



InstaGen inverter

High quality, built for reliability.



InstaGen battery storage system

High quality, longer life. Modular, compact design makes it easy to expand energy storage capacity.



InstaGen software platform

Makes it simple to maximise savings with solar. Managing home energy has never been easier.

- * System connects to user-friendly app via Wi-fi/Bluetooth
- * Simple to manage energy 'on the go' with the app, or on desktop
- * Easy to track outputs and carbon savings



Solar made smart

Our experienced technical team will design a bespoke **InstaGen** system for your home to achieve the best possible results and maximise your energy savings. Once installed, you can monitor how much electricity is being generated – and see how your bills will go down.

InstaGen looks smart in your home too. The high-performing panels are sleek and modern, while our space-saving energy storage batteries are compact for easy installation. Our modular battery system makes it cost-effective to expand your storage capacity as needed.

Solar made simple

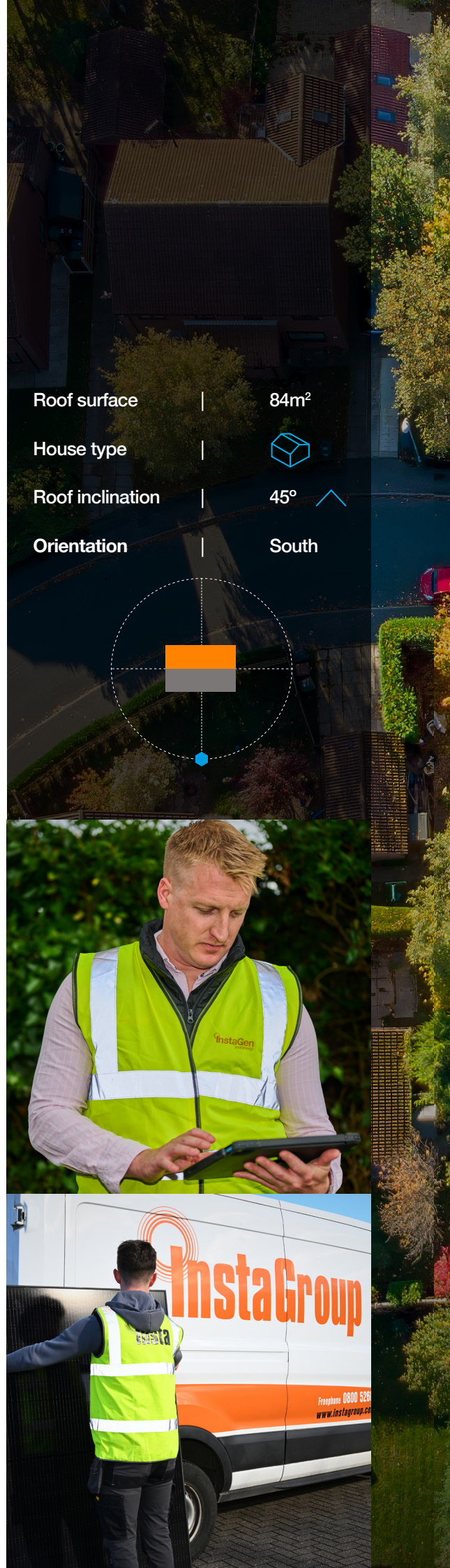
InstaGen offers you the reassurance of a British solar company with great customer service and easy-to-access technical support.


The system connects to a user-friendly app via Wi-fi or Bluetooth, so you can track electricity outputs, manage home energy storage and save even more on bills.

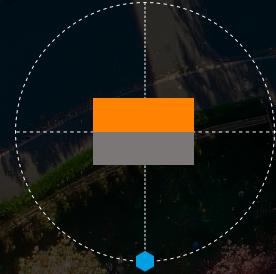
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Roof surface		84m ²
House type		
Roof inclination		45° 
Orientation		South







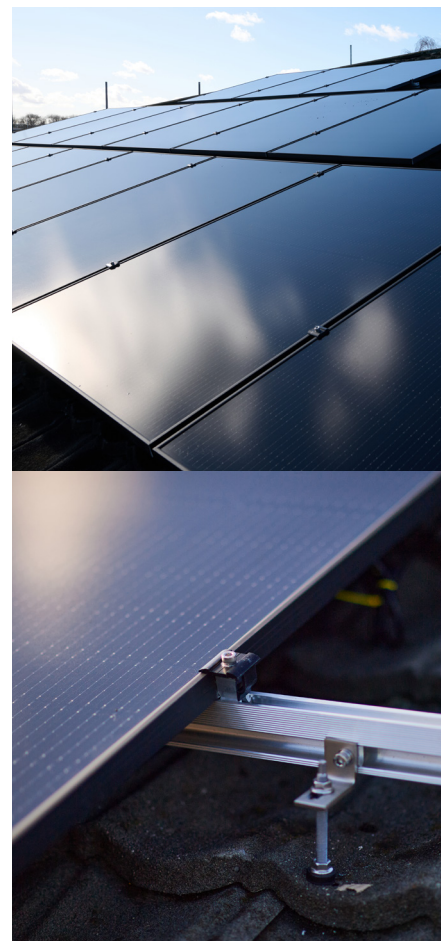
We future-proof your solar energy

Rigorous quality control and investment in the latest solar technology ensures an **InstaGen** system will perform far into the future.

InstaGen solar panels come with the reassurance of a 12-year guarantee, while our batteries and inverters have a 10-year guarantee – more than most solar companies.

InstaGen all-in-one solar PV system

- ✦ High performing system lowers energy bills and delivers great savings year after year
- ✦ Fully-integrated solar PV panels, energy storage batteries and inverters
- ✦ System synchronises seamlessly -- everything works together
- ✦ Longer life system, virtually maintenance-free
- ✦ From a UK-based company trusted for quality
- ✦ Solar panels have a 25 year minimum performance guarantee.
- ✦ One point of contact for maintenance and customer service



10 years

Enhanced product guarantee on batteries and inverters

25 years

Linear power output warranty on panels





Your questions answered

Can I stay in my home during the installation?

- * Yes. Our installers will aim to cause minimal disruption to your normal routine. Most installs are completed within 1-2 days, and the team will limit the time the power is off when they connect the system.
- * The installer team uses scaffolding to work on the roof, and electrical equipment is typically installed away from the most used areas of a property.

What happens first?

- * Scaffolding is usually erected a day before your install date. This is taken down after the work is complete.

What can I expect on the day of my solar install?

- * The team will arrive early, and talk you through the areas where they'll be working, the timeframes, and when the power may be switched off.
- * The roofing team will start to fix rails onto the roof using hooks. The solar panels will be clamped securely to these rails.
- * The electrician installs the inverter and battery and connects all cables and components. Cabling is run from the fuse board to the inverter/battery location, either inside or outside your home.
- * The solar panels are connected together, and wiring is fed to the inverter/battery location. The system is switched on, tested, and connected to your WiFi network.
- * The electrician will show you how everything works, and set up your access to the monitoring software/app.
- * Once you're happy, the team will clean and tidy before leaving.
- * You'll receive your warranties and system information within 10 working days.

Do solar panels need any maintenance?

- * Solar panels are virtually maintenance-free. They need only an occasional surface clean. We recommend they are inspected yearly for damage or defects.
- * InstaGroup offers a professional cleaning and maintenance service to ensure your solar panels continue to work at their best.



How much could InstaGen save you?

Our in-depth solar survey projects the potential electricity you could generate at home, and gives you the estimated savings on your bills. We also provide a 'payback' time (when the system will pay for itself through the savings made).

We never over-promise. We just deliver the best solution for your home.

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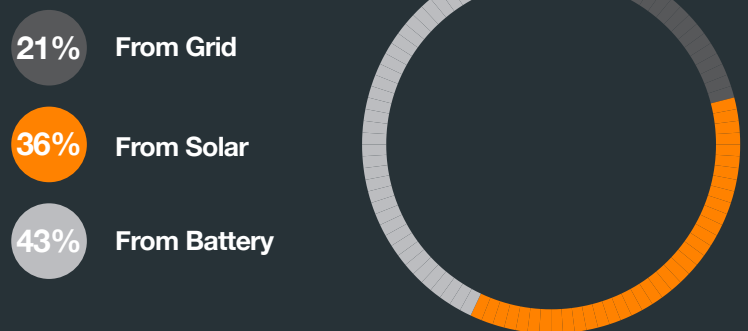
Example*



Daily Generation kWh



Daily Consumption kWh

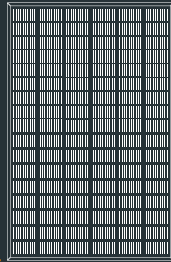


Daily Battery Utilisation



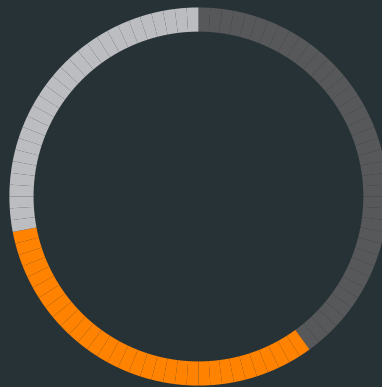
System Detail

10 x 410W Solar Panels
1 x 3.68kW Hybrid Inverter
1 x 5.12kWh Battery



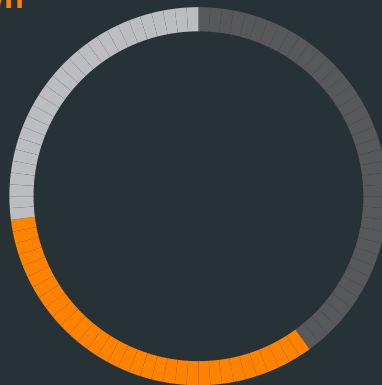
Yearly Generation kWh

- 40% To Grid
- 32% Direct Use
- 28% To Battery



Yearly Consumption kWh

- 40% From Grid
- 33% From Solar
- 27% From Battery



Yearly Battery Utilisation

59%



Generation

98MWh

Payback

7 Years

Net Present Value

£17,023

IRR

15.3%

Total Export Payments

(over 25 years)
£10,194*

Electricity Savings

(over 25 years)
£32,698*

*This example is based on a 10 solar panel installation. The cost of installation can vary due to differences in roof types, sizes and structures. The orientation of the owner's roof, its angle and potential shading can influence the power output of a PV system.



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