

How does the UK's future homes standard work?

Here's how it works. The government has published a consultation for the UK's Future Homes Standard that has set out proposals for the required standards for all new homes from 2025. All options the consultation is looking at will see all new homes requiring air source heat pumps to be installed as well as other eco-friendly measures.

How will HVAC regulations change in 2025?

With 2025 bringing major shifts in HVAC regulations, professionals must stay ahead of the curve. By adapting now, you'll not only stay compliant but also position your business for long-term success in an evolving industry. What are your thoughts on these upcoming changes?

Is solar a must-have for new build homes?

"We are disappointed that no clear stance has been declared on mandating Solar PV for all new homes, but remain hopeful that the outcome of the consultation will conclude that solar is a must-have for new build homes, supporting homeowners by decreasing electricity bills, securing energy independence, and reducing their carbon impact."

Should all new homes be low-cost & energy efficient?

Tamsin Lishman, CEO of Kensa the British Heat Pump Manufacturer, commented: "The publication of proposals requiring all new homes to be low-cost, low-carbon and energy efficient to run is a major step forward for the decarbonisation of homes and heat.

What changes are coming in January 2025?

1. Refrigerant Restrictions & F-Gas Phase-Down One of the most significant changes coming in January 2025 is the restriction on high-GWP (Global Warming Potential) refrigerants: Ban on R410A in New Single-Split AC Units - Systems containing less than 3 kg of fluorinated gases with a GWP of 750 or more will be prohibited for sale in the UK.

What regulatory changes are affecting the HVAC industry in the UK?

As we approach 2025, several key regulatory changes are set to impact the HVAC industry in the UK. These updates focus on improving energy efficiency, reducing environmental impact, and ensuring compliance with evolving industry standards.

This paper addresses the necessity of energy-efficient cooling due to climate change. A 5 kW hybrid solar-powered air conditioning system is proposed to meet a building's cooling needs. Integration of salt hydrate-based phase change materials (PCM) with boron nitride into flat plate collectors (FPC) aims to enhance efficiency and overcome heat ...

An air-to-water low-temperature heat pump designed to meet the needs of your newly built home. MC80Z. The wifi-enabled Daikin MC80Z provides clean air in large spaces up to 124 m². Calculate how much your heat pump might cost. Let's start with our easy-to-use heat pump calculator to find the right solution for your needs.

Solar Air-Conditioner Market Report Scope & Overview:. The Solar Air-Conditioner Market size was valued at USD 2.22 billion in 2022 and is expected to grow to USD 6.15 billion by 2030 and grow at a CAGR of 13.6 % over the ...

As of the end of February 2025, 1,735,000 solar PV arrays had been installed across the UK. This marks a 6.8% increase, or an additional 1.1GW, compared to a year prior, with 80MW of solar capacity being added in February 2025 alone. Shifting attitudes. As the ...

Save up to £290 with an air source heat pump (ASHP) or £550 with a ground source heat pump (GSHP) when replacing an old G-rated boiler.; Heat pump costs range from £2,400 to £49,000, including installation. However, heat pump grants like the Boiler Upgrade Scheme (BUS) can save you £7,500, covering most of the cost for ASHPs.; To be eligible for ...

Air Conditioning Knowledge Base. ECO4 Grant. About The Process ... UK Solar Grants Run Time Eligibility Potential Savings; Energy Company Obligation 4 (ECO4) inc LA Flex: ... The HUG2 project has been in operation since April 2023 and will accept applicants until March 2025. It assists low-income families by providing payments of up to £10,000 ...

This piece will review the need for solar-powered air conditioning, how solar ACs work, and how much you can expect to save on utilities. The benefits of solar-powered air conditioning. According to the U.S. Department of Energy, three-quarters of American homes have air conditioners. The energy used by power plants to support that many air ...

They are certainly being talked about, but are solar air conditioners worth it? Let's talk about the types of solar air conditioner first. DC Solar Air Conditioner - This is the type of Solar Air Conditioner that is commonplace. It uses power directly from your Solar Panels as there is no need for conversion from DC to AC current.

The new EPA refrigerant regulations for 2025 will phase out the use of high-global warming potential (GWP) refrigerants like R-410A, replacing them with more eco-friendly alternatives, such as R-454B and R-32. The goal ...

Our team of experts analysed 41 of the top air source heat pumps available in the UK, covering more than 20 different manufacturers. ... This includes advising small business owners on cost-effective ways, like solar ...

Our revolutionary Solar Air Conditioners range of AC/DC Hybrid Solar air conditioners and 100% Off Grid air conditioners. Providing innovative technology and reduced electricity costs. These units utilise either

thermal energy or PV solar panels. By improving the efficiency through our revolutionary fan design, thus increases the airflow and reducing noise.

The UK HVAC industry is on the cusp of a major regulatory shift. From 1st January 2025, single-split air conditioning systems using refrigerants with a Global Warming Potential (GWP) of more than 750 will be banned from sale in the UK. This move is part of the UK's F-Gas regulations, aimed at reducing greenhouse gas emissions and aligning with net-zero targets.

Unlike other forms of renewable energies, solar energy has various applications, one of which is a solar air conditioner. A solar air conditioner uses solar energy to function. In an era of sustainability, solar AC is a revolutionary invention. Solar ACs contribute to a sustainable environment and significantly lowers energy bills.

For over 30 years, our European Heating, Ventilation, and Air Conditioning (HVAC) operation has been dedicated to serving customers across the continent. As a true Pan-European enterprise, we take pride in delivering unparalleled customer service and support, including comprehensive after-sales service and technical assistance .

Solar air conditioning refers to air cooling and heating systems which utilise solar energy to power units, rather than just power from the main grid. By using energy from the sun, solar air conditioning systems are a ...

By pairing AC units with solar panels or wind energy, households and businesses can significantly reduce their reliance on fossil fuels. This integration supports the UK's transition to a cleaner energy grid, ensuring that cooling needs are met ...

Explore the Data-driven Air Conditioning Market Report for 2025. The Air Conditioning Market Report 2025 uses data from the Discovery Platform and encapsulates the key metrics that underline the sector's dynamic growth and innovation. There are 23 500+ companies and more than 960 startups in the air conditioning sector.

The year 2024 was one of world records. It was the hottest year ever registered, and the number of heatwaves hit all-time highs. As a result, the increased demand for cooling technologies such as air conditioners and fridges drove the use of electricity to what is expected to be record levels too. With air conditioning units responsible for more than 3% of total greenhouse gas emissions ...

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