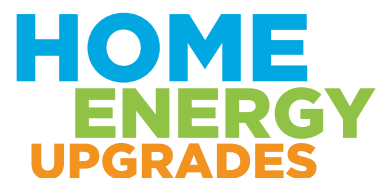


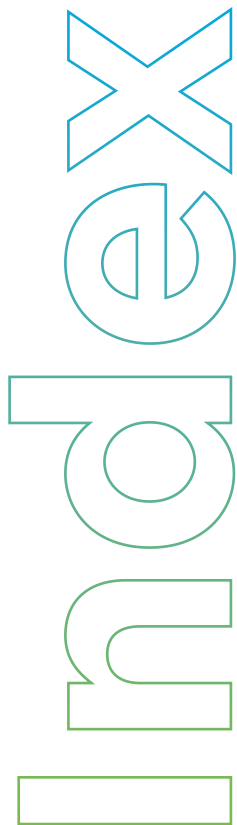
ENJOY A WARMER, MORE COMFORTABLE HOME & SAVE ON ENERGY BILLS.

Improve the energy efficiency of your home by upgrading the existing building fabric and installing new energy-saving technologies. And with substantial SEAI grants available, there's never been a better time to upgrade.



TOWARDS A GREENER, WARMER HOME
EVERY STEP OF THE WAY





2

uPVC Casement

Energlaze casement windows offer high thermal performance and advanced security features as standard.

4

Flush Casement

The sash sits flat and flush with the surrounding frame. This offers sleek lines and provides a simple, elegant aesthetic. Flush windows are becoming increasingly popular.

6

Tilt & Turn

Tilt & Turn windows open inwards so the glass can be cleaned without leaning out, while the tilt option provides ventilation without compromising on security.

7

Vertical Sliders & Aluminium

Versatile and stylish - vertical sliding uPVC sash windows and aluminium windows provide even more options to suit your personal style and taste.

8

uPVC Doors

From sliding patio doors, French doors, back doors and composite front doors, we have got a wide range of secure, thermally efficient and stylish door solutions.

10

Composite Doors

Enjoy a more comfortable, safe and energy-efficient home when you retrofit a new composite door from Energlaze. Available in a range of styles and colours to complement every home.

12

Low-E Double Glazing Upgrades

We are glass experts. Our heat-retaining double glazing offers triple-glazing performance when retrofitted into your existing window frames. Stop heat escaping and enjoy a warmer, more comfortable home.

14

Fineo Vacuum Glazing

Fineo is a new ultra-thin vacuum double glazing that is the width of single glazing, but offers the warmth of triple glazing when retrofitted into existing timber window frames.

16

Solar PV

There's never been a better time to install a solar PV system from Energlaze. With 0% VAT, SEAI grants of up to €2,100 and payment for excess electricity exported back to the grid.

20

Insulation

Often the first step in making your home warmer and more energy efficient is insulation. This is known as fabric first and can include attic and wall insulation and combines well with new windows and doors.

22

Heat Pumps

As a renewable source of energy, heat pumps are the future of home heating. Enjoy reduced heating bills and carbon footprint. There is also a substantial SEAI grant available.

24

SEAI Grants & One Stop Shop

The SEAI offer substantial grants to improve your home to a minimum BER of B2. If your home requires a full retrofit, the SEAI One Stop Shop scheme offers even more when you team up with Energlaze to complete the works.





About Energlaze

Energlaze has improved the overall energy efficiency and comfort of literally thousands of Irish homes since 2012.

It all started with retrofitting Low-E-Plus™ heat-retaining window glass into existing window frames. But today, as part of a continuing commitment to greater energy efficiency, Energlaze Home Energy Upgrades installs a wide range of energy-efficient and renewable products, designed to increase the year-round comfort of Irish homes and help the environment.

Energlaze Home Energy Upgrades is a registered SEAI installer and was one of the earliest participants in the One Stop Shop scheme that looks to improve the Building Energy Rating (BER) of homes to a minimum B2.

This requires retrofitting a number of home energy upgrades like new windows and doors, internal and external insulation, solar pv and air source heat pumps.

For more information on the One Stop Shop go to www.home-energy-upgrades.ie.



ENERGLAZE
HOME ENERGY UPGRADES



Casement



Energlaze high-performance casement windows offer market leading thermal efficiency as well as the latest high-security features.



Thermal performance

Energlaze casement windows offer high thermal performance. With its 5-chamber system our double-glazed windows can offer U-values as low as **1.3 W/m²K** (based on a 28mm unit). This means you will notice your home is warmer for longer and your energy bills will be considerably lower.



Advanced security as standard

Enjoy peace of mind knowing that advanced safety and security features are added to all Energlaze windows as standard. Choose to protect the things you value. Our casement windows are internally beaded and come with shoot bolt and hinge claw locking.



Stunning colour options

Make a real statement and transform the look and feel of your home with the range of stunning colour options available.



Triple glazing option

We also offer the option of installing triple glazing in new uPVC window frames. Triple glazing costs more and does provide an improved level of overall thermal insulation*. However, this may not be as easily noticed when compared to our more cost-efficient heat-retaining double-glazing.

Elite 63
Chamfered
(Flat Bead)



Elite 70
Ovolo
(Rounded Bead)



Subject to survey
Colours shown are for indication purposes only.
Your dedicated consultant will have accurate colour samples.

Window Transformations by Energglaze



Window Handles



Designing your windows with equal sightlines offers a balanced look and feel to the aesthetic. This is highlighted in the above image by the house on the right.



Lower heating bills

The advanced thermal efficiency of our high-performance windows will make a big difference to your heating bills. Energglaze windows are up to 68% better than old windows at preventing valuable heat from escaping. This means you don't need the heating on for as long, saving you a bundle.



All year weather protection

All our uPVC windows are built to last. They are tested and certified and perfect for any climate. Our windows provide an outstanding barrier even in the most extreme weather conditions, so you can have peace of mind that your home will remain safe and cosy.



Environmentally friendly

Due to the thermal performance of new Energglaze casement windows, you will reduce the amount of fossil fuels or energy required to heat your home — which means a greener, healthier home and a reduced carbon footprint.



Fully accredited

All Energglaze windows are produced to the highest possible standards and profiles are tested under a quality management system that conforms to BS EN 9001 and are kite marked to BS EN 12608.



Fire regulations and safety come first — but our experienced team can ensure that the window aesthetics are maximised to suit your taste.

Call (01) 901 1635 www.energglaze.ie

Flush Casement

With flush casement windows, the sash sits flat and flush with the surrounding frame. This offers sleek lines and a simple, elegant aesthetic. Flush casement windows are becoming increasingly popular with homeowners that prefer a smooth façade.



Thermal performance

Energlaze flush casement windows offer high thermal performance. With its 6-chamber system our double-glazed windows can offer U-values as low as **1.3 W/m²K** (based on a 28mm unit). This means you will notice your home is warmer for longer and your energy bills will be considerably lower.



Advanced security as standard

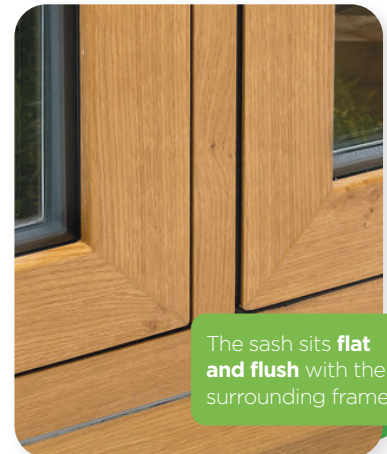
Enjoy peace of mind knowing that advanced safety and security features are added to all Energlaze windows as standard. Choose to protect the things you value. Our casement windows are internally beaded and come with shoot bolt and hinge claw locking.



Triple glazing option

New flush casement windows are also available with triple glazing installed, with the lowest U-value of 0.9 W/m²K (based on a 36mm unit).

Note: Triple glazing for flush casement windows is not available in 40mm and 44mm units.

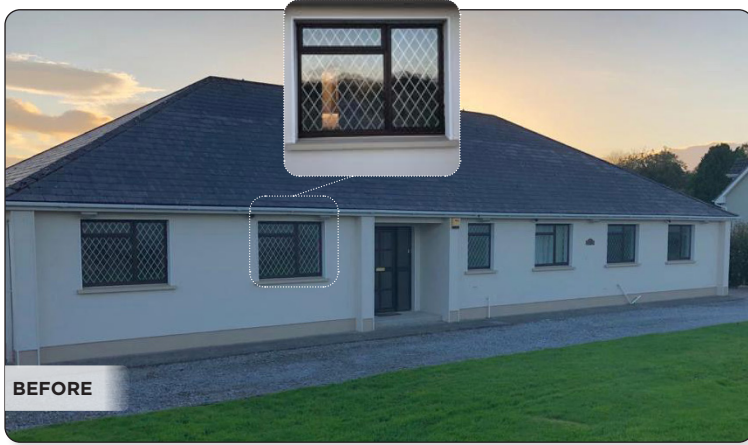


The sash sits **flat and flush** with the surrounding frame



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Flush Window Transformation by Energlaze



Lower heating bills

The advanced thermal efficiency of our high-performance windows will make a big difference to your heating bills. Energlaze windows are up to 68% better than old windows at preventing valuable heat from escaping. This means you don't need the heating on for as long, saving you a bundle.



Environmentally friendly

Due to the thermal performance of new Energlaze casement windows, you will reduce the amount of fossil fuels or energy required to heat your home — which means a greener, healthier home and a reduced carbon footprint.



All year weather protection

All our uPVC windows are built to last. They are tested and certified and perfect for any climate. Our windows provide an outstanding barrier even in the most extreme weather conditions, so you can have peace of mind that your home will remain safe and cosy.



Fully accredited

All Energlaze windows are produced to the highest possible standards and profiles are tested under a quality management system that conforms to BS EN 9001 and are kite marked to BS EN 12608.

Tilt & Turn



Tilt & Turn windows open inwards so the glass can be cleaned without leaning out, while the tilt option provides ventilation without compromising on security.



Versatile options

With its dual opening action, tilt & turn windows are an ideal choice: tilt if you want to ventilate a room and maintain security, or turn the handle to open fully. They can also function as a fire escape window.



Security & peace of mind

Enjoy peace of mind knowing that advanced safety and security features are added to all Energlaze windows as standard. When the window is tilted you can still maintain security while ventilating the room.



Easy to clean

Clean the most hard to reach windows with ease and avoid the risk of injury by turning the windows inward with the turn function. Such a simple feature will save you a lot of aches and keep your windows looking stunning.



Subject to survey
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uPVC WINDOWS

Vertical Sliding Sash



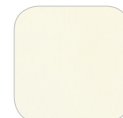
If you have a period home with traditional timber sash windows that you wish to preserve, then Fineo vacuum insulated glazing is a better option. Ask your assigned Energize consultant or visit www.fineo-glass.ie for more information.

Traditional style with modern comfort

Our Vertical Sliding Sash Windows respect the heritage of traditional windows and deliver the most advanced levels of performance.



Colour options



White



Classic Oak



Rosewood



Black



Cream



Anthracite Grey

Subject to survey
Colours shown
are for indication
purposes only.

Your dedicated
consultant will
have accurate
colour samples.

WINDOWS & SLIDING DOORS

Aluminium



An extensive range of colours are available, with the facility to match a bespoke colour of your choice, where a RAL number is provided.

Versatile options

Constructed from aluminium alloy with a polyester powder coated finish, our high-performance aluminium windows and lift & slide doors not only offer stunning aesthetic appeal but also security, durability and excellent thermal performance.



VERSATILE, STYLISH & SECURE

uPVC Doors



French Doors

Practical, flexible and customisable

Transform the look and feel of your home with beautiful French doors. The classic, two-opening-pane styling is very practical. It's ideal for access to the garden or for giving a light, airy and open feel to your home on warm days. Our doors can be styled to suit traditional homes with Georgian bars or leaded glass, or can be more contemporary in appearance with bold-coloured frames and modern handles. They can be built to open inwards or outwards, depending on your available space.

Our doors are strong, impact-resistant and reinforced with steel. Toughened glass is installed throughout and secure multipoint locking is built in. With multi-chambered sections, energy efficient glazing and effective weather seals your home is kept warm and dry.



Subject to survey
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Sliding Patio Doors

Energy efficient, secure and stylish

Energlaze sliding patio doors are the perfect choice for any home that needs a secure and stylish way to connect the indoors with the outdoors.

Our doors are made from high-quality uPVC and feature a multi-chambered system for added strength and insulation. They are also equipped with a secure handle and locking system that uses outward opposing hooks to prevent the door from being lifted from its frame.

In addition to their security features, Energlaze sliding patio doors are also very energy efficient. They come with Low-E-Plus double glazing, which helps to keep your home warm.

Whether you're looking for a new way to enjoy your patio or you're simply looking to improve the security of your home, Energlaze sliding patio doors are the perfect solution.



Subject to survey
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Back Doors

A back door to be proud of

Gone are the days where your back door was just an afterthought, with the most basic option thrown in. Not any more.

Energlaze offers a range of styles and colours for your bespoke back door, all fitted with advanced security features as standard.

The tongue and groove design (known as T&G), shown in the bottom panels of the door to the left, looks stunning and is very popular.



Subject to survey
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i Threshold options available.
Our experienced team will help you choose the most suitable threshold option to meet your requirements.

Composite Doors



New energy efficient high security front doors

Our composite doors have superb heat insulation qualities (6 times that of timber) and achieve a U-value as low as 0.98 W/m²K.

Fitting a new composite door from Energlaze means that you will have a more comfortable, safer home. You will save money on your heating bills and help reduce your carbon footprint.

Security:

- › High security eight-point locking system
- › Our doors will never warp, twist or bow
- › 65mm Reinforced fibreglass monocoque structure
- › Concealed hinges

Energy Saving:

- › Heat-retaining features incorporated into design
- › Superb heat insulation qualities
- › U-value as low as 0.98 W/m²K (including frame)
- › Lower your carbon footprint





1 Style: PARIS



2 Style: ROME



3 Style: PALERMO



4 Style: EDINBURGH



5 Style: GEORGIAN2



6 Style: DUBLIN



ALL NEW **AVANT GARDE** DOOR RANGE

To download the full brochure including all available colours and styles visit
energlaze.ie/doors



7 Style: MILAN



8 Style: BARCELONA

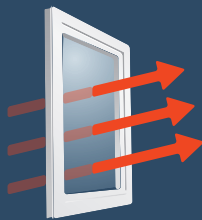


9 Style: MADRID

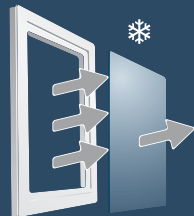


HEAT-RETAINING GLASS Without Changing Window Frames

Low-E-Plus™ is an energy-efficient double-glazed unit that is designed to prevent even more heat escaping through your windows to the cold outdoors. It is perfect for retrofitting into existing window frames.



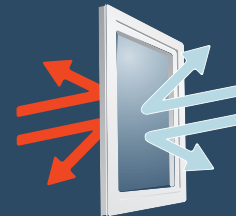
1 Heat escapes through old window glass leaving your home very cold



2 Keep your existing window frames and remove old glass



3 Retrofit Low-E-Plus™ heat-retaining glass into existing frames



4 Low-E-Plus™ reflects heat back inside & reflects cold back out



Thermal performance

Energglaze Low-E-Plus™ glazing units have a low U-value of just 1.0 W/m²K*. They can significantly reduce the heat-loss from your existing windows and be as effective as triple glazing when retrofitted into an existing double-glazed window frame.



Save on heating bills

The invisible coating dramatically reduces heat transfer and reflects interior heat back into your room. You don't waste valuable heat and so you save on energy costs.

**LOW
E
PLUS**

Low-E-Plus™

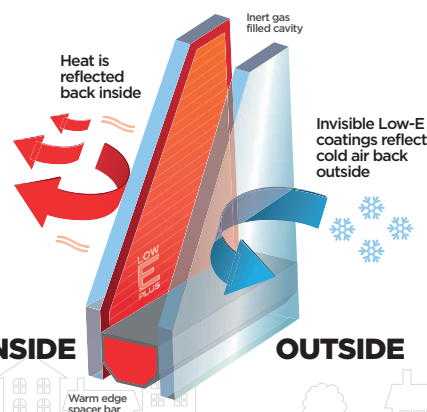
Low-E-Plus™ can be retrofitted into any type of window frame: uPVC, timber or aluminium. It comes as standard in all our new uPVC windows.

A lower U-value = A more effective insulating material

U-Value*	Glazing Type
5.8	Single Glazing
2.7	Older Double Glazing
1.0	Triple Glazing (34mm)
1.0	Low-E-Plus™
0.9	Low-E-Plus2™

*

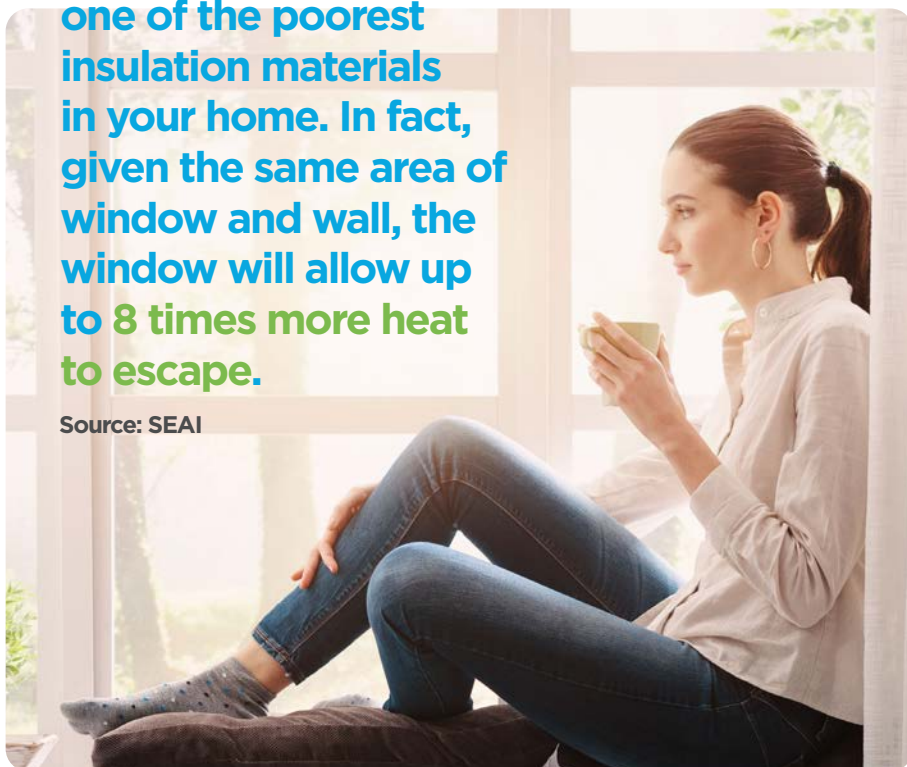
The U-value will be determined by the thickness of the cavity (i.e. the gap between the two panes of glass)



For new windows or retrofitting into existing frames.

“Glass is normally one of the poorest insulation materials in your home. In fact, given the same area of window and wall, the window will allow up to 8 times more heat to escape.

Source: SEAI

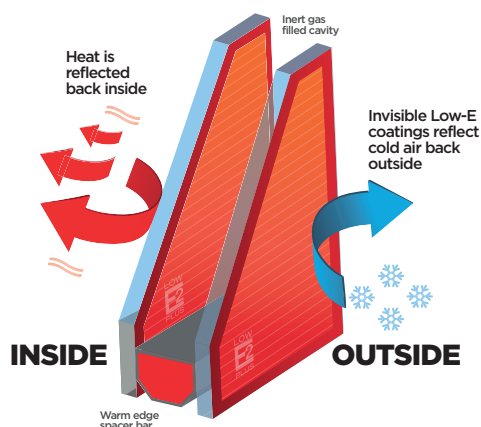


Choosing Energlaze means choosing the very best in heat-retaining glass.

Many older double-glazed units do not contain low-emissivity (low-e) glass or inert gases and are therefore not energy efficient.

By replacing your existing windows or glass with new windows containing low-e glazing, you can:

- ✓ improve the energy efficiency of your home
- ✓ enjoy a more comfortable home
- ✓ reduce your heating bills
- ✓ reduce your carbon footprint.



LOW
E₂
PLUS

Low-E-Plus 2™

Low-E-Plus 2™ has 2 heat-retaining coatings. They reflect interior heat back into the home and also keep the cold out. Low-E-Plus2™ is designed for retrofitting into uPVC frames only.

For retrofitting into uPVC frames only.

Glazing upgrade solutions



Low-E-Plus Suncool Glass

Dual purpose glass for conservatories and large glazed areas. Exceptional solar control and thermal efficiency. Keeps you warm in winter and cool in summer. Self-cleaning glass option also available, for those hard-to-reach areas.



Low-E-Plus Privacy Glass

Privacy glass provides all the heat-retaining benefits of regular glass but incorporates a range of styles and different patterned glass designs, from classic to contemporary. Perfect for bathrooms and offices.



Low-E-Plus Noise Reducing Glass

Our noise reducing glass provides efficient noise control for a variety of sources including residential activities, children playing, urban road traffic, rail traffic, motorway traffic, and jet aeroplanes.

VACUUM DOUBLE GLAZING

Fineo



Thickness of Single Glazing. Warmth and Comfort of Triple Glazing –
Without Changing Your Timber Window Frames!

FINEO
by AGC

Revolutionary New Ultra-Slim Vacuum Glazing



FINEO not only delivers astonishing energy performance, but also combines exceptionally high thermal insulation with impressive noise reduction and unprecedented sustainability. FINEO easily outperforms and outlives ordinary insulating glass.

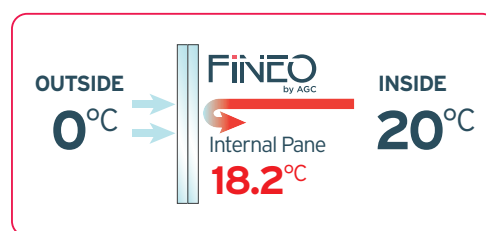
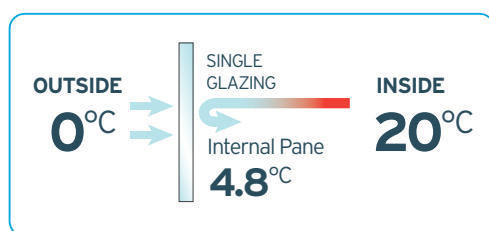
This thin vacuum-insulating glass boasts an elegant, slim look, ensuring maximum use of sunlight and solar energy.

FINEO insulates equally as well as triple glazing, but is lighter and thinner, meaning it can be installed into the existing window frame. This often makes FINEO the most cost-effective solution for renovation and restoration projects.

FINEO is 100% recyclable and it has no inert gases or organic seals which means it will not deteriorate over time. Fineo has a market-leading guarantee of 20 years but has a life expectancy of much longer.

Compare Fineo With Traditional Glazing

	<div> <div>←</div> <div>LEAST EFFICIENT</div> <div>→</div> <div>MOST EFFICIENT</div> </div>				
	Single Glazing	Slim Double Glazing	Double Glazing	Triple Glazing	FINEO
Thickness	4mm	11mm	28mm	36mm	7.7mm
U-Value (W/m²K)	5.8	1.9	1.2	0.8	0.7
Light Transmission	90	80	80	71	80
Sound Reduction Rw (C;Ctr) dB	29 (-2; -3)	31 (-2; -5)	31 (-2; -5)	32 (-1; -5)	35 (-2;-5)



Warm and cosy

With FINEO insulating glass you will feel much warmer compared to single or double glazing. Why? Due to FINEO's exceptional low U-value, the internal pane is warmer, which in turn eliminates draughts and cold spots.



Acoustic insulation

With FINEO you can relax in peace and quiet, a world away from all the noise and bustle. FINEO delivers superb traffic noise reduction, easily outperforming other glazing products typically installed in home and work environments.



Preserving historic window frames

In protected buildings, replacing the original glass with modern double glazing is usually not an option. FINEO not only preserves the authentic look of the building, but also brings thermal comfort up to modern standards.



**Power your home, day and night,
with free solar energy.**

Huawei FusionSolar Smart Energy System

Huawei uses cutting-edge solar PV technology. The award-winning NEW Huawei FusionSolar Smart Energy system is not only energy efficient but simple and easy to use with a plug and play battery interface which means you can add a battery at any time in the future (5-30kw). No need to purchase an additional battery connection device or conduct a system retrofit.

When Huawei inverters (2-5kw) are combined with our all black solar PV panels, you can power your home with clean, green renewable solar energy and dramatically reduce your energy usage, bills and carbon footprint. Not only will you achieve a greater return on investment but they also qualify for a substantial SEAI grant.



Higher Yields



Simple & Easy



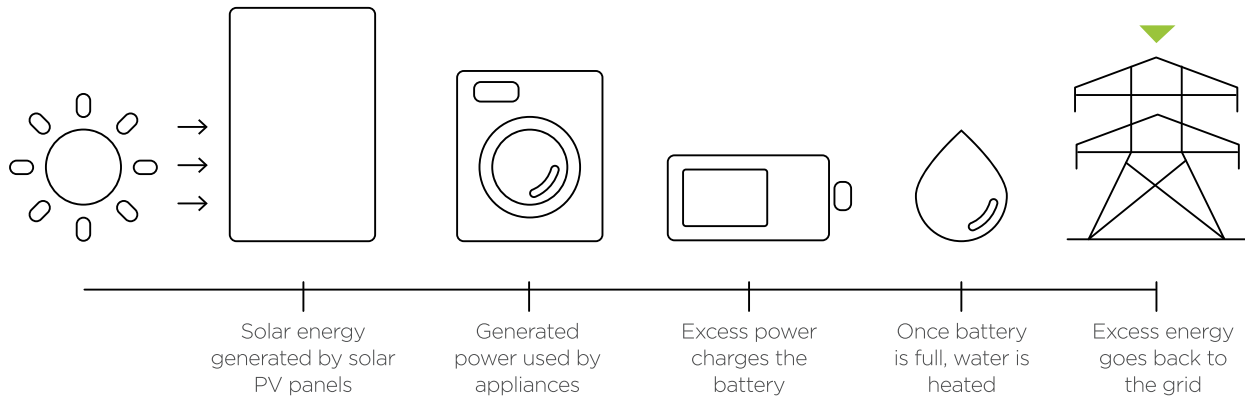
Safe & Reliable



Battery Ready

Solar PV Typical Energy Flow

Get money back for excess energy with the Microgeneration Support Scheme



Max your power output

- Oversize your system to maximise your potential output.
- 50% increase in panels will deliver up to 30% additional energy.
- Up to 10kW of solar PV panels on a 5KTL inverter – ideal when battery storage is added.
- Full 5kW AC Power output plus 5kW full battery charge.



Environmentally friendly

- A 4.35kW 10 panel system will reduce your carbon footprint by 1,000 kilograms of CO₂ per year.
- A 6kW system will save you over 1,750 kilograms per annum – that is equivalent to planting 90 trees.



Energy saving

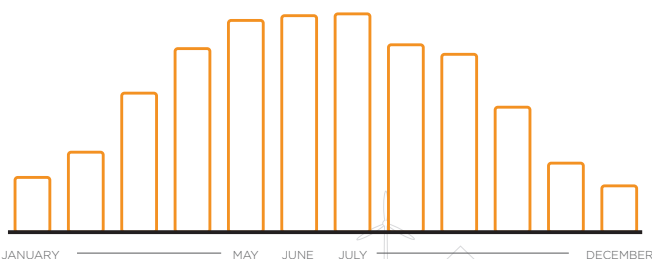
You can significantly reduce your energy bills by installing solar PV in your home. According to the SEAI, a typical 4kW system can save homeowners almost €500 per year – and with ever increasing energy costs, payback periods are becoming even shorter.



Future proof your home

More and more of us are switching to electricity as our primary energy source. Therefore it makes sense to install a solar PV system as it will help future proof your home.

Heat Pumps are now the recommended heating source for homes and the rapid growth in demand for electric vehicles make it all the more essential to install your own electric systems while grants are available.



Relative monthly solar energy generation in Ireland

➤ This diagram is for illustrative purposes only. May, June & July see peak production of electricity. A well-designed system will cover 60-75% of a typical home's annual electricity demand.



reddot award
winner



> More Daytime Consumption

Inverter output full power for daytime energy consumption.



> More Nighttime Consumption

Inverter charges battery at full power for more nighttime energy consumption.



> One App to set up all system components.



> One inverter fits all system.
With plug and play features.



> Energlaze is the number one Huawei energy partner for solar and we are fully trained in pre-sales, system installation & after-sales service.



Luna 2000 Battery

- > Flexible investment with 5kWh modular design, scalable from 5kWh to 30kWh
- > 100% depth of discharge (DoD)
- > More usable energy with pack level energy optimisation
- > Safe & reliable performance with Lithium Iron Phosphate (LFP) cell
- > Auto detected by App
- > Faulty battery module auto isolates to keep system operating

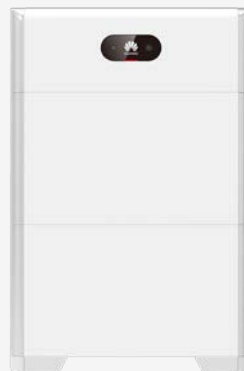
2X POWER BATTERY READY FOR MORE ENERGY

Power Module

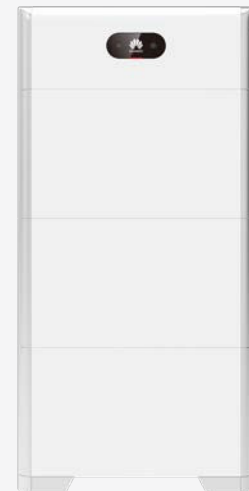
Battery Module



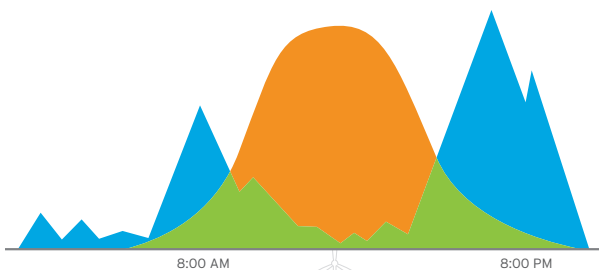
5 kWh



10 kWh



15 kWh



Consumption of Stored Energy



Consumption of Solar Energy



Solar Energy Production

> The diagram to the left is for illustrative purposes only. Most systems will require energy input from the grid, unless the system has a large battery storage capacity (i.e. additional modular storage up to 15kW) and it is during the peak summer months.

Average electricity generated from solar PV

System Size (kW)	Number of Panels	kW/h Per Day	kW/h Per Annum
2.61	6	6.2	2,258
3.48	8	8.2	3,010
4.35	10	10.3	3,763
5.22	12	12.4	4,515
6.09	14	14.4	5,268
6.96	16	16.5	6,020
7.83	18	18.6	6,773
8.7	20	20.6	7,526

Based on a home solar PV system (435W panels) sized at 20 sq. m (approx. 3kW) and well located would generate around 2,600kWh of electricity per annum. That is over 40% of the average annual electricity demand of an Irish home.

Note: All output figures (kWh) sourced from SEAI



Jinko *Solar*

Jinko All Black Panels

- Jinko all black solar panels have significant quality accreditations and a high output of energy.
- 25-year product warranty
- 30-year performance warranty



Ground-mounted installation also available.



Optional Extras

Zappi car charging module

An electric vehicle charge point that has an array of features & flexibility.



Eddi water heating module

An Eddi diverts surplus power from your solar system to heat your water rather than exporting it to the grid.



SEAI GRANT UP TO €8,000

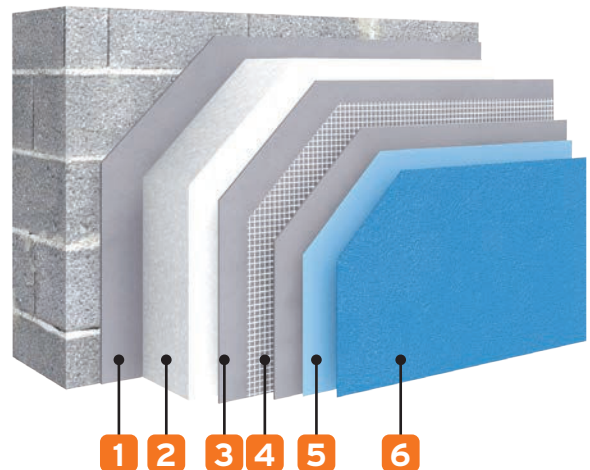
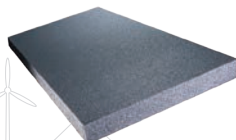
The first step in making your home warmer and more energy efficient is insulation. This is known as fabric first and can include internal and external insulation, as well as windows and doors.

External Wall Insulation

Improve thermal insulation and eliminate thermal bridges by wrapping the external façade in insulation. By insulating the outside walls, they retain their thermal inertia and the insulation works twofold: in the winter as a heat insulator to prevent valuable heat loss, and in the summer as a thermal barrier to prevent overheating. This creates a very pleasant and stable indoor temperature, regardless of the season.

Benefits:

- Estimated U-value of 0.27 W/m²K as per SEAI guidelines
- Outstanding Price / Quality Ratio
- High Durability
- Flexible System
- Ease of Maintenance
- A Wide Range of Finish Options
- For New and Renovated Constructions



System Structure

1. Adhesive Mortar
2. EPS Polystyrene (white or grey) Insulation
3. Reinforcement Mortar
4. Reinforcement Mesh
5. Primer
6. Finish: Organic Plaster, Mineral Plaster, Paints or Brick Slips

Cavity Wall Insulation

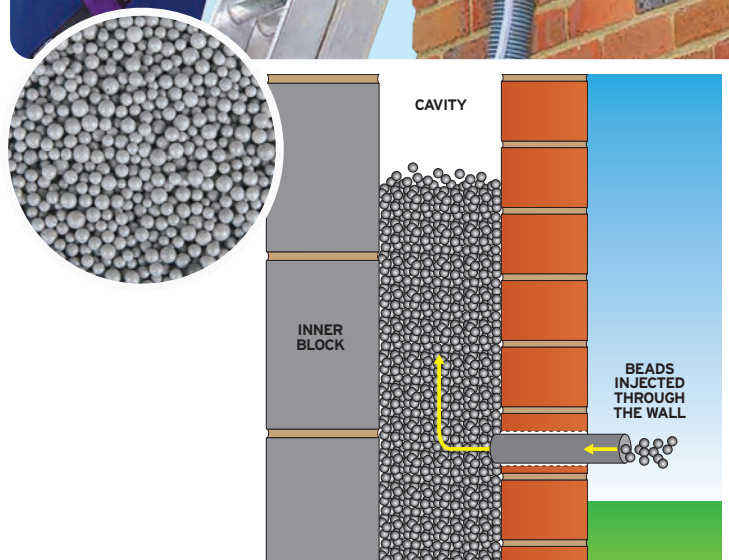
Cavity walls are built with an inner and outer wall (leaf) with a cavity in between. Designed for keeping rain and moisture out they offer very little in the way of thermal insulation.

Energlaze insulation injects Expanded Polystyrene (EPS) bonded beads into the wall cavity of your home to form an insulating mass, which significantly reduces thermal transmittance throughout the cavity.

With the application of the bonded bead, the wall cavity is still able to breathe and as the bead does not absorb moisture it will not transfer across the cavity to the inner leaf

Benefits:

- Estimated U-value of 0.55 W/m²K as per (cavity size) SEAI guidelines
- Fully nZEB compliant
- No air gaps or uninsulated areas
- Completely water resistant — preventing mould or rotting
- Made from sustainable, recyclable materials with a long lifespan
- External application means little home disruption
- Quick turnaround time
- A wide range of finish options
- For new and renovated constructions



Attic Insulation

Mineral Wool Rollout Insulation

An extremely high-performance quality thermal-insulation roll designed for a wide range of applications where space is at a premium and high acoustic and thermal performance is a must. Insulation at ceiling level provides the most cost-effective insulation solution in terms of cost to energy saved.

Spray Foam Insulation

Spray foam insulation can be installed in both new and existing homes, and even in the most unusual designs. It adheres to wood and steel frames alike and is effective in any climate.

Practising building science, also known as a “systems approach”, means accounting for the ways all building components interact, including the foundation, walls, roofs, doors, windows, insulation and mechanical systems. Doing so is critical to optimise building performance and prevent building failures.



Only available as part of a multi upgrade

Heat Pump

Create a comfortable,
economical,
low-carbon home.

SEAI GRANT of €6,500

Air Source Heat Pump

**Create a comfortable, economical,
low carbon home.**

The SEAI currently offers a grant of €6,500 towards your heat pump (homes built pre 2021). Once installed, heat pumps are on average 30% cheaper to run than traditional gas or oil boilers and make a wonderful low carbon emission alternative. They are easy to use, require minimal maintenance and have a longer lifespan than conventional boilers.

To get optimal performance from a heat pump, your home must be relatively airtight. This is necessary to ensure your electricity bills are low. This can be achieved by insulating your home and/or upgrading your windows.

Benefits:

- › More comfort for your home
- › Cheaper heating bills
- › Reduced emissions — no more fossil fuels
- › Long life span

How do heat pumps work?

Heat pumps work by extracting the air from outside the home, transferring it indoors at a warmer temperature, powered by electricity.

Heat pumps contain a fluid that absorbs heat from the air and is then compressed which raises it to a higher temperature. This heat from the fluid is then transferred to water in your heating system, including underfloor heating, radiators and your hot water tank.

Viessmann
VITOCAL 222-A
Air to Water Heat Pump



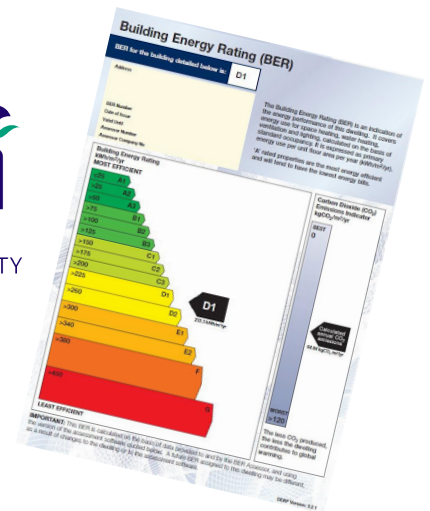
How to know if your home is suitable for a Heat Pump

Before applying for a heat pump system grant, you must engage an independent, SEAI Registered Technical Advisor. (€200* grant available)

Your Technical Advisor will carry out a technical assessment of your home, and will advise you on what steps to take to make your home "heat pump ready", i.e. to reduce the heat loss in your home.

They will provide you with independent guidance on measures necessary to ensure that the dwelling fabric heat loss is lowered to an acceptable level for a heat pump system to perform effectively and efficiently.

The required heat loss level is expressed as a Heat Loss Indicator of 2 Watts/Kelvin/m². In some cases, where upgrades may not be cost-optimal, a value of HLI up to 2.3 Watts/Kelvin/m² can be accepted provided additional requirements are met. Full details of these requirements can be found in the SEAI Domestic Technical Standards and Specification and should be discussed with your Technical Advisor.



- * The value of the grant is €6,500. In order to get the grant an SEAI technical advisor **must** assess the fabric of the house to calculate the **Heat Loss Indicator**.

The charge is €600 for a technical assessment. Homeowners can claim €200 of this back once they have successfully claimed the grant.

What may be required to get your home heat pump ready

Based on the building regulations at the time, when your home was built can sometimes give an indication of what level of home energy upgrades may be required to make your home ready for a heat pump.



Generally **not suitable** for a heat pump. Full technical BER survey recommended

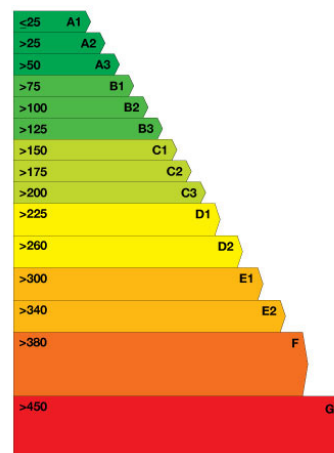
May **require a deep retrofit** which could include:

- Windows Updated
- Doors Updated
- Attic Insulated
- Walls Insulated
- Air Tightness Measures
- Mechanical Ventilation

More likely to **require one or more** of the following:

- Attic Insulation
- Cavity Wall Insulation
- Windows/Glazing Updated
- Doors Updated

Heat Pump ready. Grant available.





Improve your home's energy efficiency and comfort with the help of significant SEAI grants.

Maximise any SEAI grants available.

Energlaize can advise you on the best energy upgrades for your home that will make the biggest impact to your carbon footprint and home comfort. As an approved SEAI installer we can also maximise any grants that are available.

The table on the next page shows all the SEAI grants available. If your home requires a more comprehensive set of home energy upgrades, then you may benefit from the One Stop Shop (OSS) scheme. Energlaize is an approved SEAI One Stop Shop. The scheme aims to help homes with a low BER (Building Energy Rating), achieve a minimum B2 BER with the help of significant grants. The scheme is aimed at tackling our inefficient housing stock and meeting targets set out in the government's Climate Action Plan. For more information or to apply visit **home-energy-upgrades.ie**

One Stop Shop Benefits:

- › Substantial SEAI grants
- › Grants process managed by Energlaize
- › Greatly reduce your heating bills
- › Improve the comfort of your home
- › Reduce your carbon footprint
- › Improve your BER to a minimum of B2
- › Offset any carbon taxes
- › Expert workmanship, fully guaranteed

seai SUSTAINABLE
ENERGY AUTHORITY
OF IRELAND
REGISTERED **OneStopShop**



Rialtas
na hÉireann
Government
of Ireland

Upgrade Measure	House Type	Individual Grant	OSS Grant
Heat Pump Systems - Air to Water (Built pre 2021)	• All Houses	€6,500	€6,500
	• Apartment	€4,500	€4,500
Central Heating for Heat Pump	• All Houses	n/a	€2,000
	• Apartment	n/a	€1,000
Heating Controls (Built pre 2011)		€700	€700
Bonus for reaching B2 with Heat Pump		n/a	€2,000
Solar Hot Water (Built pre 2021)		€1,200	€1,200
Attic Insulation (over ceiling) (Built pre 2011)	• Apartment only	€800	€800
	• Mid Terrace	€1,200	€1,200
	• Semi-D or End of Terrace	€1,300	€1,300
	• Detached House	€1,500	€1,500
Rafter (sloping ceiling) (Built pre 2011)	• Apartment only	n/a	€1,500
	• Mid Terrace	n/a	€2,000
	• Semi-D or End of Terrace	n/a	€3,000
	• Detached House	n/a	€3,000
Cavity Wall Insulation (Built pre 2011)	• Apartment only	€700	€700
	• Mid Terrace	€800	€800
	• Semi-D or End of Terrace	€1,200	€1,200
	• Detached House	€1,700	€1,700
Internal Insulation (Dry Lining) (Built pre 2011)	• Apartment only	€1,500	€1,500
	• Mid Terrace	€2,000	€2,000
	• Semi-D or End of Terrace	€3,500	€3,500
	• Detached House	€4,500	€4,500
External Insulation (Built pre 2011)	• Apartment only	€3,000	€3,000
	• Mid Terrace	€3,500	€3,500
	• Semi-D or End of Terrace	€6,000	€6,000
	• Detached House	€8,000	€8,000
Windows (Complete upgrade)	• Apartment only	n/a	€1,500
	• Mid Terrace	n/a	€1,800
	• Semi-D or End of Terrace	n/a	€3,000
	• Detached House	n/a	€4,000
Door Upgrade (Max 2)	• per door	n/a	€800
Floor Insulation		n/a	€3,500
Solar PV (Built pre 2021)	• 0-2kWp, €800/kW		
	• 2 to 4kWp, €250/kW		
	• Max value	€2,100	€2,100
Mechanical Ventilation		n/a	€1,500
Air Tightness		n/a	€1,500
Home Energy Assessment		n/a	€350

Join Thousands Of Happy Customers, All Over Ireland!



**ENJOY A WARMER
MORE COMFORTABLE
HOME & SAVE ON
ENERGY BILLS**

“ I am beyond thrilled...
From the initial meeting right through to the
completed job we could not be happier.

“ We had all of our windows and doors
changed to new cream double glaze
windows and a beautiful Palladio black
front door. The house has been transformed
visually and is so much warmer. The fitters
were meticulous and very tidy. They did a
very neat job and even installed bathroom
windows without damaging the tiles which
we thought would be impossible to do.

“ Absolutely delighted with the new windows
installation from Energlaze. Got some great
advice on window design from the lovely
man who called to measure that helped
me choose the window styles. We are
already noticing the difference with the new
windows. They keep the heat in far better
than the worn old ones.

“ To say that the installers were efficient
would be an understatement. Excellent work
done on my windows and door. Couldn't
speak highly enough about them. but also
from start to finish from ordering, measuring
and finally installation it was 5 star service.



**Contact Energlaze today
for a free quote**

Call **(01) 901 1635** or **(021) 601 0095**

Email info@energlaze.ie

Visit **www.energlaze.ie**

Nationwide Service



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FOUNDATION

