

Energy performance certificate (EPC)

Bwthyn Cerddin
Llanymawddwy
MACHYNLLETH
SY20 9AJ

Energy rating

E

Valid until: **22 September 2031**

Certificate number: **2506-3002-7201-5139-8200**

Property type

Detached house

Total floor area

93 square metres

Rules on letting this property

Properties can be rented if they have an energy rating from A to E.

If the property is rated F or G, it cannot be let, unless an exemption has been registered. You can read [guidance for landlords on the regulations and exemptions \(https://www.gov.uk/guidance/domestic-private-rented-property-minimum-energy-efficiency-standard-landlord-guidance\)](https://www.gov.uk/guidance/domestic-private-rented-property-minimum-energy-efficiency-standard-landlord-guidance).

Energy efficiency rating for this property

This property's current energy rating is E. It has the potential to be A.

[See how to improve this property's energy performance.](#)

Score	Energy rating	Current	Potential
92+	A		94 A
81-91	B		
69-80	C		
55-68	D		
39-54	E	39 E	
21-38	F		
1-20	G		

The graph shows this property's current and potential energy efficiency.

Properties are given a rating from A (most efficient) to G (least efficient).

Properties are also given a score. The higher the number the lower your fuel bills are likely to be.

For properties in England and Wales:

the average energy rating is D
the average energy score is 60

Breakdown of property's energy performance

This section shows the energy performance for features of this property. The assessment does not consider the condition of a feature and how well it is working.

Each feature is assessed as one of the following:

- very good (most efficient)
- good
- average
- poor
- very poor (least efficient)

When the description says “assumed”, it means that the feature could not be inspected and an assumption has been made based on the property's age and type.

Feature	Description	Rating
Wall	Granite or whinstone, as built, no insulation (assumed)	Poor
Wall	Cavity wall, as built, insulated (assumed)	Very good
Roof	Pitched, insulated (assumed)	Good
Roof	Roof room(s), insulated	Average
Window	Fully double glazed	Average
Main heating	Boiler and radiators, wood pellets	Poor
Main heating control	Programmer, TRVs and bypass	Average
Hot water	From main system	Poor
Lighting	Low energy lighting in 89% of fixed outlets	Very good
Floor	Solid, no insulation (assumed)	N/A
Floor	Solid, insulated (assumed)	N/A
Secondary heating	None	N/A

Low and zero carbon energy sources

Low and zero carbon energy sources release very little or no CO₂. Installing these sources may help reduce energy bills as well as cutting carbon emissions. The following low or zero carbon energy sources are installed in this property:

- Biomass main heating

Primary energy use

The primary energy use for this property per year is 392 kilowatt hours per square metre (kWh/m²).

Additional information

Additional information about this property:

- Stone walls present, not insulated
 - Dwelling may be exposed to wind-driven rain
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Environmental impact of this property

One of the biggest contributors to climate change is carbon dioxide (CO₂). The energy used for heating, lighting and power in our homes produces over a quarter of the UK's CO₂ emissions.

An average household produces	6 tonnes of CO ₂
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This property produces	1.4 tonnes of CO ₂
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This property's potential production	-1.8 tonnes of CO ₂
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By making the [recommended changes](#), you could reduce this property's CO₂ emissions by 3.2 tonnes per year. This will help to protect the environment.

Environmental impact ratings are based on assumptions about average occupancy and energy use. They may not reflect how energy is consumed by the people living at the property.

How to improve this property's energy performance

Making any of the recommended changes will improve this property's energy efficiency.

If you make all of the recommended changes, this will improve the property's energy rating and score from E (39) to A (94).

Recommendation	Typical installation cost	Typical yearly saving
1. Room-in-roof insulation	£1,500 - £2,700	£204
2. Internal or external wall insulation	£4,000 - £14,000	£267
3. Floor insulation (solid floor)	£4,000 - £6,000	£92
4. Solar water heating	£4,000 - £6,000	£87
5. High performance external doors	£1,000	£26
6. Solar photovoltaic panels	£3,500 - £5,500	£331
7. Wind turbine	£15,000 - £25,000	£684

Paying for energy improvements

[Find energy grants and ways to save energy in your home.](https://www.gov.uk/improve-energy-efficiency) (<https://www.gov.uk/improve-energy-efficiency>)

Estimated energy use and potential savings

Estimated yearly energy cost for this property	£1635
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Potential saving	£675
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The estimated cost shows how much the average household would spend in this property for heating, lighting and hot water. It is not based on how energy is used by the people living at the property.

The estimated saving is based on making all of the recommendations in [how to improve this property's energy performance](#).

For advice on how to reduce your energy bills visit [Simple Energy Advice](#) (<https://www.simpleenergyadvice.org.uk/>).

Heating use in this property

Heating a property usually makes up the majority of energy costs.

Estimated energy used to heat this property

Space heating	15081 kWh per year
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Water heating	2873 kWh per year
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Potential energy savings by installing insulation

Type of insulation	Amount of energy saved
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Solid wall insulation	3004 kWh per year
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You might be able to receive [Renewable Heat Incentive payments](#) (<https://www.gov.uk/domestic-renewable-heat-incentive>). This will help to reduce carbon emissions by replacing your existing heating system with one that generates renewable heat. The estimated energy required for space and water heating will form the basis of the payments.

Contacting the assessor and accreditation scheme

This EPC was created by a qualified energy assessor.

If you are unhappy about your property's energy assessment or certificate, you can complain to the assessor directly.

If you are still unhappy after contacting the assessor, you should contact the assessor's accreditation scheme.

Accreditation schemes are appointed by the government to ensure that assessors are qualified to carry out EPC assessments.

Assessor contact details

Assessor's name	William Morris
Telephone	01690 750288
Email	info@wmepc.co.uk

Accreditation scheme contact details

Accreditation scheme	Elmhurst Energy Systems Ltd
Assessor ID	EES/020282
Telephone	01455 883 250
Email	enquiries@elmhurstenergy.co.uk

Assessment details

Assessor's declaration	No related party
Date of assessment	20 September 2021
Date of certificate	23 September 2021
Type of assessment	RdSAP
