SOLAR SLATE

WHERE TRADITION
INSPIRES TECHNOLOGY

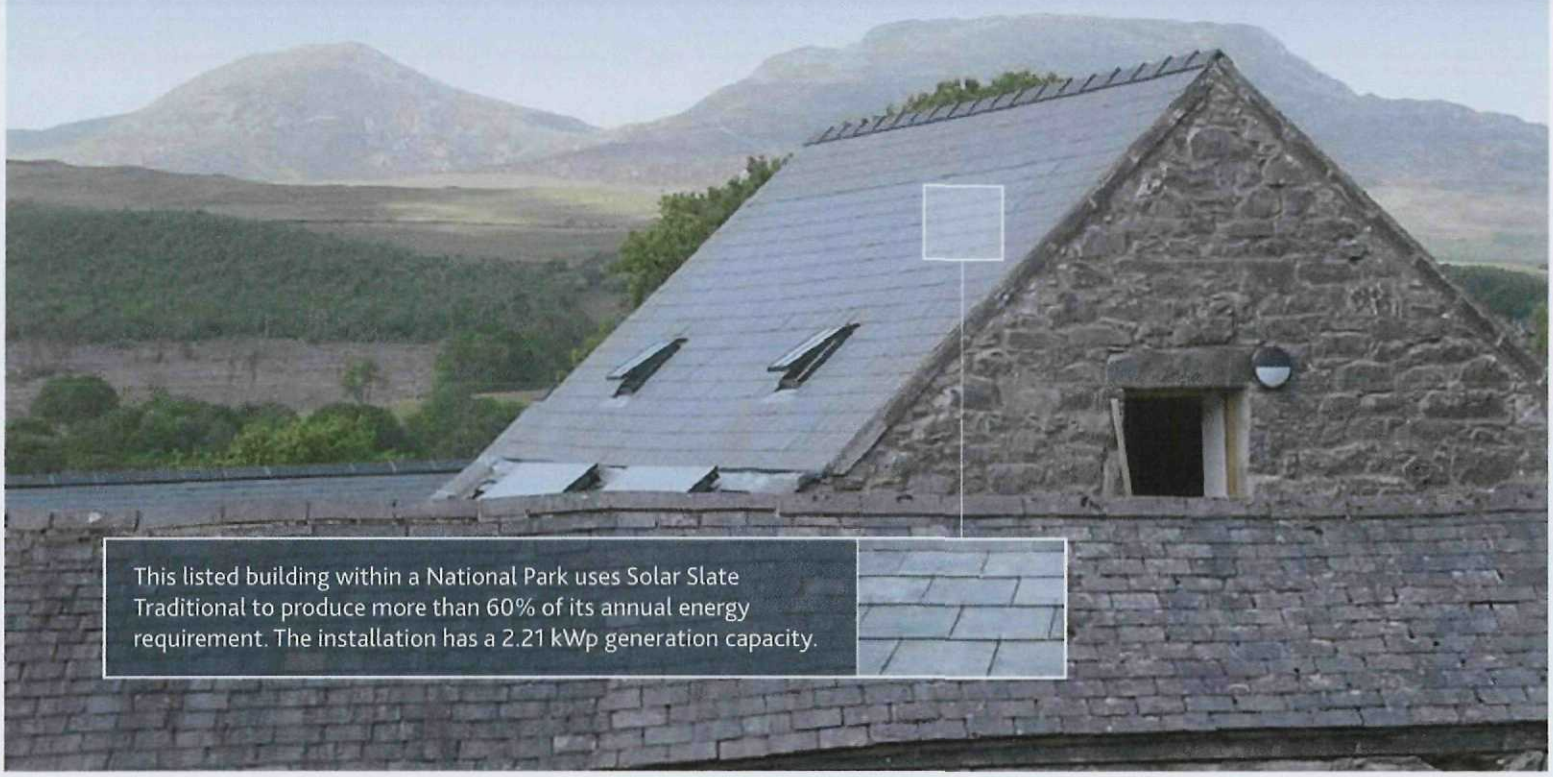
Solar Slate - natural power from your roof

Solar Slate generates clean, green electricity whilst blending in with roofing slates

MINIMISES VISUAL IMPACT

Award winning Solar Slate offers superior aesthetics for new build, or renovation projects.
Solar Slate has an unrivalled track record in gaining planning approval, even in conservation areas and on listed buildings.

Using Solar Slate reduces your carbon footprint and generates electricity for your home.
Additionally you receive a payment for generating your own electricity under the Feed in Tariff.



This listed building within a National Park uses Solar Slate Traditional to produce more than 60% of its annual energy requirement. The installation has a 2.21 kWp generation capacity.

NEW SOLAR SLATE MULTI - WHEN P



Solar Slate - Where tradition inspires technology

Solar Slate is an efficient roof-integrated photovoltaic slate, the long-awaited green solution to planning constraints for conservation areas and historic buildings wanting to improve their carbon footprint.
Our innovative Solar Slates combine the latest in photovoltaic technology with similar aesthetic properties to roofing slates. They are fully weather proof and, unlike usual solar panels, blend in with standard roof slates to provide an aesthetically pleasing solar panel roof. Solar Slate is ideal for use in conservation areas, on historic buildings, new builds or renovation projects.

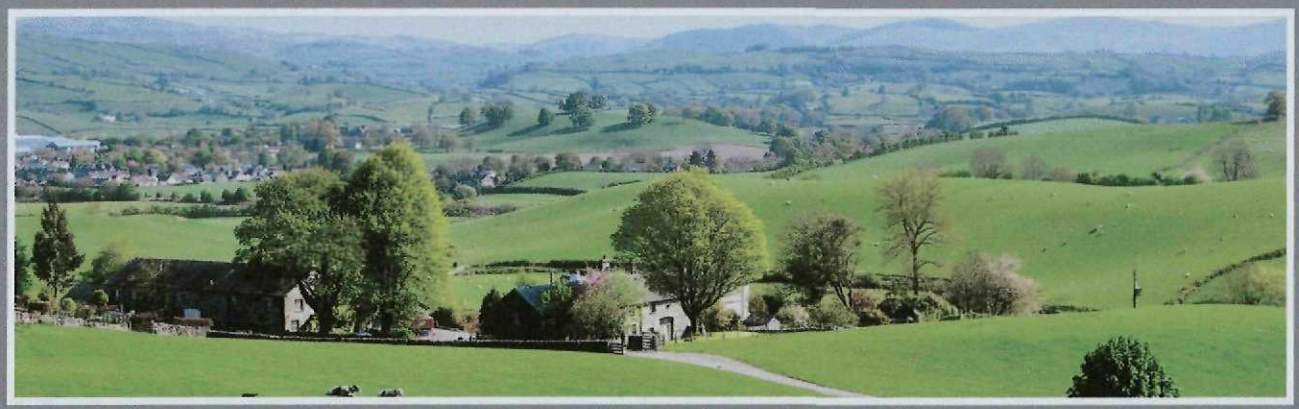


Solar Slate brings you the following benefits:

- Reliability: no moving parts
- Plug and play: painless installation
- Practically no maintenance
- Feed-in-tariffs eligible
- Easily meets planning requirements
- Aesthetics: at last a perfect match to traditional slates

This micro-generation energy source helps to meet legislative targets. Whether you have to use on-site renewables to meet a planning requirement, or you simply want to improve your carbon footprint, Solar Slate now enables you to do this with a traditional slate roof.

The guarantee terms include a 10 year product and roof integrity guarantee and 10 year minimum performance guarantee.



Solar slate: The origins









Solar Slate is the innovative result of years of research and development by RES, one of the world's leading renewable energy developers.

Solar Slate is the long awaited response to the market need for a clean and reliable solar power product that can harmoniously blend in with traditional roof slates.

Drawing on decades of experience in the renewable energy and construction industries, RES is a broad-based renewable energy company with unrivalled experience in the sector.

To date, RES has delivered over 6,500 MW of projects which makes it one of the leading companies in the market. Their enviable track record in project delivery has given them a reputation for excellence in the industry that is second to none.

SOLAR
SLATE

Technical Information

Performance Data: Example 1kW System

- Nominal system output (Wp) : 1001
- System peak rated power (Wp): 1001
- Number of slates: 154
- Roof area: 7.8 m^2
- Estimated annual average energy yield (kWh/year): 800 *
- Estimated CO^2 savings per annum (kg/year): 454



Solar Slate embodies the usual benefits of solar power yet overcomes some of the obstacles met by most installation processes.

The installation is a 'fit-and-forget' process, requiring nothing more than traditional roofing skills. The electrician installing the system is required to be MCS accredited.

Solar Slates have been developed to be installed in the same way as conventional roofing slates. Secured with roofing hooks the roof should be built as normal, to batten level, with a gauge of 205mm.







Solar Slate is fully MCS accredited.

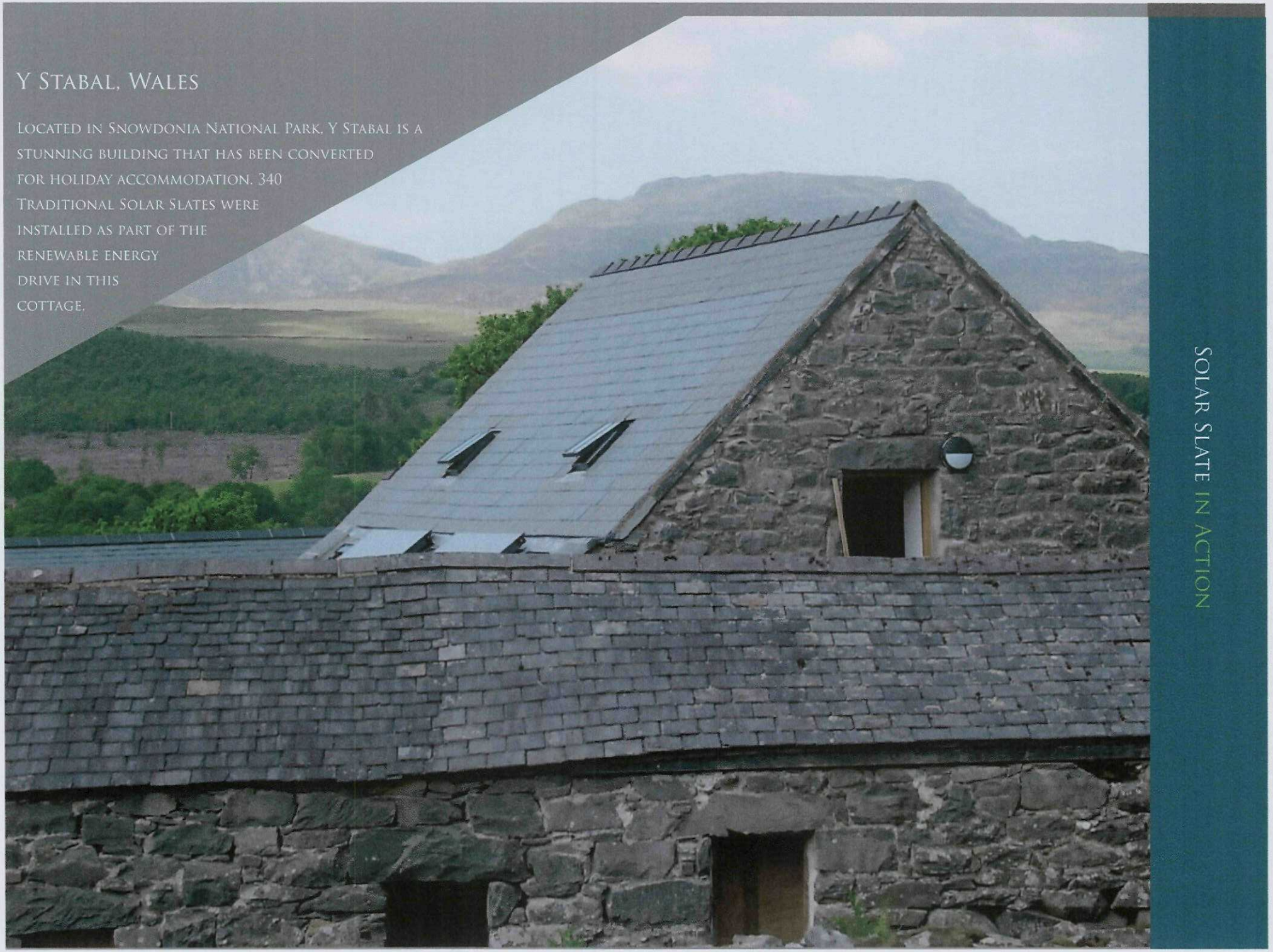
In addition Solar Slate has also received full TUV & BABT product accreditation as below:'

- Design Qualification and Type Approval Testing to TUV CEI EN 61215 (2006) equivalent to IEC61215 (2005)
- Flammability combined testing and classification to BS476-3:2004 and ENV1187:2002-Test 4, including EN13501-5-Test 4 Classification - Passed level EXT.S.AA
- Weather Resistance Test MCS012 (prEN15601 Test method)
- Resistance to Wind Uplift Test MCS012 (EN14437 Test method)
- European Community Design Registration 001321301-0001

UK Patent Number – 2456166

International Patent Application WO2009087365A2 – Pending, Canadian Patent Application CA2711457A1 – Pending, European Patent Application 09700612.6 – Pending, US Patent Application no. 12/811,193 - Pending

*Figures quoted based on an optimum south facing roof at a 30° pitch. The Solar Slate is 500mm x 256mm, 1.8kg and is rated at 6.5 Wp +/- 10%.
The estimated annual average energy yield provided is a theoretical value based upon industry norms and should not be taken as the actual energy yield.



Y Stabal, Wales

Located in Snowdonia National Park, Y Stabal is a stunning building that has been converted for holiday accommodation. 340 Traditional Solar Slates were installed as part of the renewable energy drive in this cottage.

Solar Slate in Action

SOLAR POWER THAT DOESN'T
COST OUR HERITAGE

SOLAR
SLATE

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APPROVED PRODUCT
MCS BABT