

7 kWp PV “In Roof” – New Build Barn Blewbury, Oxfordshire.



In spring 2008 Ardenham Energy installed and commissioned the 7 kWp ‘in roof’ system with the latest Sanyo panels on a barn conversion in Blewbury, Oxfordshire.

The installation was undertaken following planning approval by the Vale of the White Horse Council on Oxfordshire and with close cooperation with Scottish & Southern Energy. The electricity generated is synchronised with the grid supply via 2 x SB3300 inverters and will be used to supply clean

energy to the property. When there is more energy produced than is needed in the site conversion, the extra energy can be sold to the grid for use elsewhere.

The 7 kWp array is almost silent in operation and will generate around 6500 kWh of greenhouse gas free electricity every year. The installation includes a display in the reception area which will outline real time energy production as well as cumulative kWh and CO₂ savings.

- 32 no Sanyo 215Wp crystalline Modules
- 2 no SMA SB3000 Inverters
- Ubink In Roof mounting system
- kWh Meter
- DC and AC switchgear

Ardenham Energy Ltd is an engineering contractor certified under the UKMCS Low Carbon Buildings Scheme for grant aided projects (www.lowcarbonbuildings.org.uk). The company has extensive renewable energy engineering project experience and can provide a full service for wind systems, solar PV (electric), solar hot water systems, ground and air source heat pumps and backup power systems. These can be for domestic, governmental and commercial and non commercial buildings in the Home Counties and London region.

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