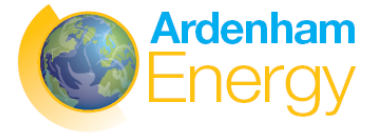


5kWp Polycrystalline PV Array Oxford City Council



Description

The grid connected roof mounted PV Array has been installed and commissioned by Ardenham Energy Ltd at the West Oxford Community Centre on the Botley Road in Oxford.

The installation was undertaken following the award of a Low Carbon Building Programme Phase 1 Grant, and planning approval by Oxford City Council in April 2007. The electricity generated is synchronised with the grid supply via an inverter and will be used to supply clean energy to the property. Energy not used by the building can be exported to the grid for use elsewhere.

The 5kWp array is almost silent in operation and will generate around 4000 (kWh) of greenhouse gas free electricity each year.

The installation took 3 days to complete and comprises:-

- 30 no 162Wp Sharp Polycrystalline Modules
- 3 no IG30 Fronius Inverters (1 each phase)
- Display showing cumulative kWh and instantaneous Watts in Reception
- 3 phase pulsed kWh Meter
- DC and AC switchgear

Working with

**SHARP
SOLAR**



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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