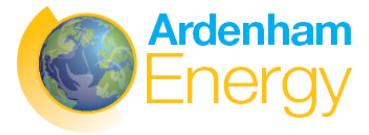


9x 0.5kWp Solar PV Arrays – Oxford Vanderbilt Homes



In June 2008 Ardenham Energy completed the installation and commissioning of 9 units 500Wp grid tied PV arrays in a new build development at 409 Banbury Road in Oxford.

The project was innovative as the Oxford City Council has insisted that each flat should benefit from the technology rather than the communal areas, and after initial scepticism, the client recognised that a PV solution was technically, carbon footprint and commercially advantageous.

The installation comprises 27 Sharp 162Wp polycrystalline modules in 3 arrays of 9 panels was undertaken in 3 stages in 2008 following planning approval by Oxford City Council. The electricity generated is synchronised with the grid supply via 9 x Mastervolt Soladin 600W G83 compliant inverters and will be used to supply clean energy to each flat within the property, as well as exporting to the grid for use elsewhere when there is more energy produced than is necessary in the property.

The array is almost silent in operation and will generate a total of around 4500 kWh of greenhouse gas free electricity each year.

The installation comprises:-

- 27 no Sharp 162Wp crystalline Modules
- 9 no Mastervolt Soladin Inverters
- Roof tile and flat roof mounting system
- 9 Single phase pulsed kWh Meters
- DC and AC switchgear

Ardenham Energy Ltd is an engineering contractor certified under the MCS Low Carbon Buildings Scheme for grant aided projects (www.lowcarbonbuildings.org.uk). The company has extensive renewable energy engineering project experience 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 for domestic, governmental and commercial and non commercial buildings in the Home Counties and London region. More information from:- info@ardenhamenergy.co.uk or 01296-331362



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