

4.42 kWp Solar Electrical Array Woolstone, Milton Keynes



In January 2009, two grid connected roof mounted, solar electric arrays were installed and commissioned by Ardenham Energy Ltd on the roof of the residential property in Woolstone.

The installation was undertaken following the award of a Low Carbon Building Programme Grant. The electricity generated is synchronised with the grid supply via 3 inverters and will be used to supply clean energy to the property. Energy not used by the residence can be exported to the grid for use elsewhere.

The 4.4 kWp array is almost silent in operation and will generate around 3800 kWh of greenhouse gas free electricity each year.

The installation took 5 days to complete and comprises:-

- 26 no Sharp 170 Wp crystalline Modules
- 1no Fronius IG30 G83/1 compliant inverters
- 2no Mastervolt Soladin G83/1 complaint inverters
- 1 phase pulsed kWh Meters
- DC and AC switchgear
- Roof mounting systems
- Display Unit



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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