

2 kWp Solar Electrical Array Chalfont St Giles, Buckinghamshire



In September 2009, a grid connected 2 kWp solar Electric roof mounted, solar electric array was installed and commissioned by Ardenham Energy Ltd on the roof of the residential property in Chalfont St Giles.

The installation was undertaken following the award of a Low Carbon Building Programme Grant. "Feed in Tariffs" are due to start in April 2010, so in combination with the grant, the installation of solar electric systems is a very attractive proposition with potential investment returns in excess of 10%.

The electricity generated is synchronised with the grid supply via an inverter and will be used to supply clean energy to the property, as well as exporting excess energy to the grid for use elsewhere. The 2 kWp array is almost silent in operation and will generate around 1900 kWh of greenhouse gas free electricity each year.

The property owner said:

"I am delighted with the installation and your installation team were a pleasure to have around"

The installation took 5 days to complete and comprises:-

- 12 no Sharp 170 Wp crystalline Modules
- 1no Fronius IG20 G83/1 compliant inverter
- 1 phase pulsed kWh Meters
- DC and AC switchgear
- Roof mounting systems

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.

For more information contact:

Ardenham Energy Ltd
Ardenham Court
Oxford road
Aylesbury,Bucks, HP19 8HT

Tel 01296 -331362
Fax 01296 375747
www.ardenhamenergy.co.uk
info@ardenhamenergy.co.uk



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