

10kWp PV Array Aylesbury Town Council Buckinghamshire



The grid connected roof mounted PV has been installed and commissioned by Ardenham Energy Ltd on the roof of the Aylesbury Town Council Building in the Centre of Aylesbury. The project was supported by the Low Carbon Buildings Programme framework funded by BERR, and Ardenham Energy as part of the British Gas Consortium.

The installation was undertaken in April 2008 following the award of a Low Carbon Building Programme Phase 2 Grant to provide 50% of the capital cost. 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 in the building can be exported to the grid for use elsewhere.

The 10 kWp array is almost silent in operation and will generate around 9500 kWh of greenhouse gas free electricity each year.

The installation took 5 days to complete and comprises:-

- 60 no Sharp 162Wp crystalline Modules
- 3 no Fronius G83/1 compliant IG30 inverters
- 3 single phase pulsed kWh Meters
- DC and AC switchgear
- Non penetrative flat roof mounting system
- Display Unit

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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