

## *8.6 kWp Solar Electric Arrays Overstone Combined School, Wing*



The grid connected solar arrays were installed and commissioned by Ardenham Energy Ltd on the South East and South West facing roofs of Overstone Combined School, in Wing near Aylesbury. Planning permission was secured from Aylesbury Vale District Council.

The two arrays are each 24 180Wp monocrystalline panels (48 in total) secured to the roof with a mounting frame attached to the structure with roof hooks. The project was funded by the school, Low Carbon Building Programme phase 2 and a National Lottery CSEP grant award.

The installation comprises:

- 48 Sharp 180Wp monocrystalline Modules
- 2 no SMA 3300 G83/1 compliant Inverters
- Pulsed kWh Meter
- DC and AC switchgear
- Radio based Graphic Display

**Ardenham Energy Ltd** is an engineering contractor certified under the UKMCS Low Carbon Buildings Scheme for grant aided projects ([www.lowcarbonbuildings.org.uk](http://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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