

25 kWp Solar Electric Arrays

Berger Primary School, Homerton, London



In Early 2010, Ardenham Energy completed the installation of a 25 kWp system for the new Berger Primary School in Homerton, in the London Borough of Hackney

The electricity generated is synchronised with the grid supply via inverters and will be used to supply clean energy to the school, as well as exporting to the grid for use elsewhere when there is more excess energy.

The 25 kWp array is almost silent in operation and will generate around 20,000 kWh of greenhouse gas free electricity each year.

The System Comprises

- 144 no Sharp 170Wp crystalline Modules
- 4 x Fronius IG60 Inverters
- Cable Management
- kWh Meter
- DC and AC switchgear
- G59 Protection and site acceptance
- Wireless kWh / kW / CO2 Displays

The project was funded by Low Carbon West Oxford securing a DECC Low Carbon Communities Challenge.

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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