

6.6 kWp PV Array - Central Library London Borough of Islington



The grid connected roof mounted PV has been installed and commissioned by Ardenham Energy Ltd on the roof of the Central Library in Islington, owned by the London Borough of Islington. The project was funded by the Islington Climate Change fund and the Low Carbon Buildings Programme framework funded by BERR and Ardenham Energy as part of the British Gas Consortium. The installation took place in August 2008.

The 6.6 kWp array is almost silent in operation and will generate around 5400 kWh of greenhouse gas free electricity each year. The installation includes a display in the reception area which will outline real time energy production as well as cumulative kWh and CO₂ savings.

The installation took 5 days to complete and comprises:

- 40 no Sharp 162Wp crystalline Modules
- 2 no Fronius G83/1 compliant IG30 inverters
- 1 three phase pulsed kWh Meters
- DC and AC switchgear
- Non penetrative flat roof mounting system
- 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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