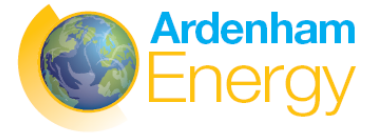


81 kWp Solar Electric PV Array

Atherstone-on-Stour Industrial Estate, Warwickshire



The 81 kWp grid connected warehouse mounted solar electric PV array has been designed, installed and commissioned by Ardenham Energy. It is at the Atherstone Industrial Estate near Stratford upon Avon in Warwickshire and was installed in August 2009. The site which is to be used as a vegetable storage unit is located on the site of a former warehouse that was burned down in 2005; part of the planning requirement for the rebuild was a percentage of the sites electricity supply coming from a renewable energy source.

The array will be almost silent in operation and will generate around 68,000 kWh of greenhouse gas free electricity each year.

The installation took 3 weeks to complete and comprises:-

- 450 no Amerisolar 180Wp crystalline Modules
- 10 no SMA SMC 7000 G83/1 compliant inverters
- 160 metre DC cable run
- G59 Marshalling kiosk
- 3 phase pulsed kWh Meters
- DC and AC switchgear
- Site acceptance by Central Networks

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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