



Case Study - Solar PV Grovelands CP School

SML partner company, Southern Solar Limited, were appointed to design, supply and install a solar photovoltaic (PV) system at Grovelands Community Primary School in Hailsham, East Sussex. The 10kW solar electric array will provide silent, solar powered electricity to the building, reducing running costs as well as minimising the buildings overall carbon emissions.

Project Overview

The PV system installed is made up of 54 Sharp solar electric panels mounted just above the main entrance to the school, covering an area of around 72m². In both the planning and installation of the PV system, Southern Solar worked closely with the school to minimise disruption to both children and staff. Installation of the array and connection to the electrical supply was completed in just 4 days during the half term break.

In addition to designing and installing the system, Southern Solar also helped the school to secure 50% grant funding through the Government's Low Carbon Buildings Programme Phase 2 scheme.

Project Costs and Benefits

The PV system cost just over £51,000 (excl VAT) prior to the 50% grant through the LCBP Phase 2 scheme. As well as making a significant contribution to reducing the school's

energy costs, the system also plays a key role in helping to educate children and parents about how renewable energy technologies can contribute to reducing CO² emissions. The PV installation has been the key component of a wider effort by Grovelands to be an environmentally friendly school.



Installation Overview

Client:	Grovelands CP School, East Sussex
Project:	Solar PV installation on a flat roof using both individual and communal hot water storage
System:	54 x Sharp 180 monocrystalline panels, 3 x Fronius IG30 inverters Public display in school reception area
Cost:	£51,000 excl VAT before 50% grant