



Natural power in your home or business

SOLAR PV INSTALLATION Case Study – Commercial

Industrial Unit in West Sussex – Commercial PV Installation

Date of Project: August 2010
 Project Type: Commercial Installation
 Description: An 18 Panel PV array of Sharp ND220's installed to give the business owner a 3.96kw system.



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Background

The property is located within the Regents Business Park in Burgess Hill, West Sussex and is a 2500 square foot industrial Unit with a south facing roof. The 30 degree angle of the roof and the fact that the roof gets no shading made it a perfect candidate for a solar PV installation

The company wanted to maximise the potential income from the new government feed-in tariff so we designed a 3.96kw system.

The company's Managing Director said "Up until the introduction of the feed-in tariff we had never thought about installing Solar on our roof space, but the business case for return on investment is now very compelling. The installation process was quick and easy and we now find ourselves checking our inverter on a daily basis to see how much electricity has been generated!"

Equipment Used/Specified

18 Sharp ND 220 Panels were used on this project. Sharp have been specialising in manufacturing solar PV panels for over 50 years and offer a 25 year performance guarantee on their products

Platinum 3800 Inverter – Manufactured in German by the Diehl Group, it is seen by many to be the leading Solar PV inverter in terms of reliability and value for money.

ISKRA EMECO ME162 Meter – These are used for electric energy measurement in single phase and 2 wire systems in the home or office. They comply with all relevant EU regulations.

The Return on Investment

The total cost to the business owner including VAT was £17,900.

From our calculation of sunlight hours for this location and taking into account the orientation and pitch of the roof we estimate that the system will generate the following output:

3584 kwh per year

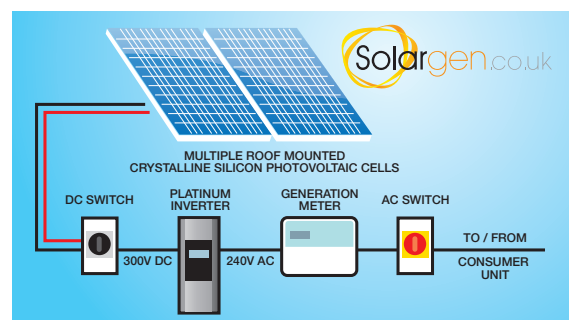
At the feed-in tariff rate of 41.3p this equates to £1480 per year.

Plus there is a saving on electricity bills of approximately £394 per year.

This gives a total return of £1874 per year.

This is an 10.47% return on investment.

How it works



If you are interested in installing a Solar PV system at your commercial property, get in touch with Solargen today for a no obligation free quotation: **Call 0845 521 2255**