

SOLAR PV POWER GENERATION ON COMMERCIAL ROOFS



HOW OWNERS OF INDUSTRIAL & COMMERCIAL ROOFS CAN BENEFIT FROM THE FEED-IN-TARIFF REGIME

Energy is the prime enabler of our current standard of living. With ever increasing efficiency and ever decreasing generation costs, today's technologies have made both clean energy and energy independence possible. Mass installation of renewable technologies is required in order to facilitate this transition from conventional to clean energy sources and Solar PV is a great technology which, despite moderate sun hours, is both suitable and economical in the UK.

HOW THE FEED-IN-TARIFF WORKS

The mass mobilisation of financial, technical and physical resources towards deployment of Solar PV and other renewable energy technologies requires reliable and long term incentives. The feed-in-tariff first introduced in April 2010 provides just those.

- Solar energy system owners receive a fixed, inflation adjusted base price over 25 years for their kWh production (production tariff)
- In addition, they are free to sell the kWh into the grid at a fixed price or to consume or sell the kWh directly on the site.



WHICH ROOFS QUALIFY

Many roofs qualify – large ones require an area of about 2,500m² on a single building or combined on adjacent buildings. Normal load reserves will typically be sufficient to carry the Solar PV installation and our structural engineers will work with you and develop a solution suitable for your roof. The orientation of the building ideally should be north-south for flat roofs or south-facing for slanted roofs, but there is a degree of flexibility to this requirement.

Asbestos-cement roofs would need to be replaced by the owner before they could be considered and, as the solar

PV system needs to remain productive all the time, all other roofs need to have a lifespan of a minimum of 25 years remaining.

HOW SOLAR PV WORKS

Solar PV systems harvest the photovoltaic energy from the sun and convert it to electricity using durable industrial electronic components. For optimal performance, systems need to be south facing and installed at an angle corresponding to the site's geographic latitude. No shadows whatsoever must affect the system and clear line of sight at all times during the year and over 25 years is also required.

HOW TO BENEFIT

OPTION 1: INVEST, OWN & BENEFIT

As an investor in your own rooftop PV system, you will obtain the production feed-in-tariff for all PV electricity produced as income against your investment. In addition, you may use all the electricity generated and reduce your electricity bill substantially. Alternatively, you may export the electricity into the grid at a guaranteed price per kWh. Prices per kWh are fixed for 25 years and inflation indexed, safeguarding your investment. At the same time, there will be no more electricity cost increases for the next 25 years, an important consideration.

OPTION 2: CONTRACT & BENEFIT WITHOUT INVESTING

If you have a suitable roof available yet do not want to commit capital you may invite Azur Solar to install a system on your roof and engage in a power purchase agreement, which will typically supply you clean energy over the lifespan of the system at highly attractive terms.

EXPERIENCE COUNTS

Over recent years Azur Solar has delivered small to very large on-roof commercial projects to satisfied customers in Germany, Spain, Belgium and the USA. In addition we have a substantial development pipeline of Solar PV projects in the UK, Pakistan, India, France and other countries around the world. We will gladly provide reference contacts upon request or arrange for you to visit any of our sites.



INSTALLER & PARTNER NETWORK

We have developed our own “eco system“ of trustworthy and reliable engineers, installers, legal and financial experts. For large scale complex installations it is this network that counts and with our own in-house project engineers and key account managers we can ensure the consistent and timely delivery of SOLAR PV generation plants.

Five steps to your XXL-on-roof Solar PV system:

Stage I: Pre-scoping and Development Agreement

- Initial consultation
- Identification of suitable roof
- Desktop pre-scoping & screening
- Heads of terms & exclusivity agreement

Stage II: Planning and Permission

- Planning permission process begins
- Third party studies
- Detailed technical layout
- System engineering

Stage III: Engineering & Procurement

- Detailed engineering
- Components procurement
- Installation & other resources procurement

Stage IV: Installation & Grid Connection

- Materials delivery
- Substructure installation
- Modules & Inverter installation
- Grid connection

Stage V: Operations & Maintenance

- Operational management
- Payments processing
- Monitoring & reporting
- Maintenance

ABOUT AZUR SOLAR

AZUR SOLAR is one of the most successful privately held multinational solar PV companies with German origin and has been present in the UK since 2005. From our new headquarter and distribution center in Slough, Berkshire, opened in Feb 2011, we supply AZUR SOLAR Power Kits as well as our full range of components nationwide to our installer, dealer and distributor partners.

We also develop, construct and operate large to very large industrial and commercial roof installations. As a turn-key EPC for such projects, we shall work in partnership with our qualified installation partners on a large number of occasions.

We combine German and international project and service experience, combined with dedication to quality and massive purchasing economics into a highly compelling offering. Please talk to us !



CONTACT: Please contact the COMMERCIAL PROJECT team for any enquiries or questions under 01753 257 410 or info@azur-solar.co.uk

We are constantly seeking roof landlords and roof agents.

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