

TELESAT

COMMUNICATIONS LIMITED



Electronic & Electrical Engineers

SOLAR POWER EXPLAINED...

Solar electricity is created by using photovoltaic technology (PV).

The PV process converts free solar energy (the most abundant energy source on the planet) directly into power which can be used to supply many applications i.e. heating, lighting, power outlets etc.

The main area of interest in the UK today is grid connected PV systems, these systems are connected to the existing electricity supply and any excess energy created by the PV system which is not required can then be sold back to the Electricity Supply Company. The PV system will always serve the needs of its source first and then any spare unused/un-required energy will go back to the grid. Also in the opposite event of not enough energy being created by the PV system, it will firstly use up all the energy being created and then in the event of a short fall it will take energy from your provider, thus using the least possible amount of chargeable energy.

This energy is created from light and not sun so therefore still creates energy even on a dull day. The power is clean and there are no green house gases produced from this energy source, which in turn helps reduce our carbon footprint.

The government have agreed to a guaranteed tax free payment for every kilowatt hour produced plus an additional indexed linked payment for all electricity unused which is fed back into the grid.

Usually the best place to site PV panels is on a south facing roof away from shade, prices vary depending on size and quality of equipment used, plus size of roof



space available, a free of charge and no obligation site survey would determine exactly what options are available for your property as all are different.

All our systems are installed by experienced Micro Generation Certified Engineers (MCS Registered), most come with a 25 year guarantee, panels are self cleaning and require very little maintenance.

They are ideal for both domestic homes and commercial/industrial business premises such as offices, school, warehouses etc.

For any further information you may require or to book a free site survey please call us on **01205 369934** or see our website at www.telesat-communications.com

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