

# Solar PV and Renewable Energy Requirements:

## Building Regulations Part L

Cool Power's grid-connected solar PV flat packs are now the simplest and most economical way of meeting the renewable requirements for new houses and apartments, as set out in Part L 'Conservation of Fuel and Energy' of the Building Regulations 2007 issued by the Department of the Environment.

**A** Under these new building regulations all new houses and apartments are required to use either 4 kWh of renewable electricity per m<sup>2</sup> per year (i.e. solar PV generated electricity)

or

**B** 10 kWh of heating/hot water from other renewable energy sources per m<sup>2</sup> per year

Cool Power's high-efficiency grid-connected solar PV flat packs are designed to meet (and in most cases exceed) this requirement. The smallest flat pack (a 1 kWp system) generates 1,000 kWh of renewable electricity per year – meeting the renewable energy requirements for any house or apartment up to 250 m<sup>2</sup>.

All Cool Power's solar PV flat packs include EMMA, our patented Energy and Micro-generator Manager. **EMMA significantly reduces electrical consumption in the household and provides a means of automatically optimising import and export of electricity where/when smart meters are installed and if/when export tariffs become available.**

### Solar PV has a huge advantage over other renewable energy options:

- Solar PV is easy to install - it does not require any additional plumbing (which is costly, intrusive and results in additional heat loss and water consumption);
- Solar PV is hassle free – it does not require any flues, floor space or fuel storage and handling;
- Solar PV is entirely maintenance free. Cool Power's solar PV flat packs come with 20+ year output guarantees;
- **In addition to generating 100% renewable electricity, all Cool Power's solar PV flat packs include EMMA.**

  
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Remember that option A and B are the minimum requirements. Many local authorities require higher percentages of renewable energy to be used by new residences. Such requirements are easily met by installing solar PV.

# Installation



**Did you know? Cool Power's solar PV flat packs are also a simple and economical way to improve your property's Building Energy Rating (BER). Contact us to find out more.**

## About Solar PV

Solar PV is the most economic, simple and clean renewable energy technology available that can be easily installed into both new builds and existing buildings. For this reason, it is increasingly being used to meet the electricity needs of businesses and individuals in Ireland.

Simple to install, clean, highly effective, maintenance free and with a 20+year lifespan, solar PV systems are the easiest way to meet Irish Building Regulations Part L and to generate zero-emissions electricity for your home or business. Solar PV can save an estimated 30% to 40% of an average home's electricity costs every year.

## About Cool Power's Solar PV Flat Packs

Cool Power's solar PV systems come in a convenient ready-to-install flat pack that contain everything you need - parts, instructions, warranty and telephone support. We offer a complete delivery and installation service, using our countrywide network of approved and experienced installers.

If you would prefer your own builder or electrical contractor to install your solar PV flat pack for you, we can be on hand to advise and instruct them. Installation is straightforward and causes no mess or disruption.

## About Cool Power

Cool Power has vast experience in residential and commercial solar PV installations in Ireland. We provide ready-to-install solar PV flat packs, custom roof- or ground-mounted systems and a choice of either fixed arrays or tracking arrays (that generate up to 30% more energy).

We are the exclusive provider of EMMA – our patented Energy and Micro-generator Manager – which manages micro-generator output for even more energy, cost and emissions savings.

Our energy management products and solar PV systems use the highest quality components available worldwide, are competitively priced, virtually maintenance free and come with long term performance guarantees.

To help you leverage solar PV, we provide an end-to-end solution – from advice, to design, installation and ongoing support.

So why wait? Take the first step today and discover the amazing world of solar PV. Email us today at [sales@coolpower.ie](mailto:sales@coolpower.ie)

## Contact Us

Make your life easy - contact us to order your solar PV flat pack today!

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