

Solar PV

Grid Connected

Micro-generation

Advice

Design

Installation

Support

Management

PV Modules

Equipment

Supply

Micro-generator

Output Control

ESB Networks/
CER Approved




coolpower Products
smart sustainable energy



Experts in grid-connected solar PV
Specialists in smart energy management

Generate your own zero-emission electricity from sunlight: reduce consumption of grid electricity, CO₂ emissions and carbon footprint; improve Building Energy Rating (BER).

About Cool Power



When you choose Cool Power, you are choosing Ireland's most experienced solar PV team. We have over a decade of experience in developing and field testing advanced methods for generating, monitoring and controlling electricity and its consumption in Irish homes and businesses.

We are Ireland's leading specialists in:

- Grid-connected solar PV
- Management of micro-generator output
- Use of smart meters to maximise the value of micro-generator output and minimise the cost of imported grid electricity
- Related systems, products and advice

Our leading range of solar PV and micro-generator output management solutions are extremely quick, convenient and easy to install.

Check out our website at www.coolpower.ie to see our latest case studies and photos.

Why solar PV?

For over 14 years, Cool Power has been designing, installing and operating successful solar energy systems. We have also been involved in major full-scale field trials of renewable energy generation in Irish buildings, involving over €10 million of investment. These studies have included solar PV, ground water, bed rock, heat pumps, combined heat and power, district heating, wind and water turbines, solar thermal and tidal power.

Of all these systems, we've found solar PV to be the simplest, most reliable, lowest maintenance and longest life solution. Solar PV is also one of the most cost effective ways of producing green energy from micro-generators in Ireland. Large-scale solar PV installations are extremely attractive long-term investments.

Background

In 2006, Cool Power became the first company in Ireland to connect small scale renewable energy generators to the national grid (for The Green Building in Temple Bar, Dublin).

In collaboration with Fronius GmbH, we also developed a range of high-efficiency grid-connected inverter controllers that are fully compliant with ESB Network's 'Conditions Governing the Connection and Operation of Micro-generation' based on EN50438 (Ireland) technical standards. We use these inverters in our systems today.

Since 2006, Cool Power has:

- Commissioned Ireland's largest grid-connected solar PV array (30 kWp) for Newbridge Cutlery, Co. Kildare
- Developed the first ever micro-generator output controller (EMMA, see page 3). EMMA is now controlling output from solar PV and wind turbines at numerous locations in Ireland
- Developed and installed Ireland's first ever grid-connected solar PV tracking array in Co. Cork
- Commissioned the first ever grid-connected building-integrated solar PV array on the new Headquarters for the Commissioners of the Irish Lights in Dun Laoire, Co. Dublin



Cool Power has vast experience in residential and commercial solar PV installations in Ireland.

We have designed and supplied systems for:

- Environmental Protection Agency
- Civic Offices, Fingal
- Irish Lights Headquarters
- Limerick County Council
- Newbridge Silverware
- Tesco
- The Green Building, Temple Bar, Dublin
- Watermint Development (Ireland's first A1 energy rated development)
- Numerous domestic customers

Call us today on **01 484 7209** to find out how we can help you too

What We Do



We work with home owners, developers, architects and engineers to improve any new or existing building's energy rating, energy performance and value.

Our unique products enable you to:

- Generate your own renewable energy
- Reduce your dependence on grid electricity
- Reduce your overall electricity consumption
- Cut your CO₂ emissions and electricity bills

Our standard and custom solutions include our patented micro-generator output manager (EMMA) and ready to install solar PV flat packs that are suitable for everyone – companies, consultants and individuals - and for all buildings - existing and new.



Producing renewable energy from Solar PV

Solar PV is being used increasingly in Ireland to meet the electricity needs of businesses and individuals. It is simple to install, clean, highly effective, maintenance free and has a very long life. Solar PV can be used alone or in conjunction with wind and water turbines, heat pumps and solar thermal systems.

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

EMMA – our unique Energy and Micro-generator Manager

Experts recommend the use of Cool Power's Energy and Micro-generator Manager (EMMA) with all grid-connected solar PV and other micro-generators (wind and water turbines etc.).

Standard grid-connected systems discharge all surplus electricity to the national grid, where it is presently of no value to you. With EMMA, you prevent this 'loss'. EMMA seamlessly sends all surplus electricity to electrical heating and storage devices such as hot water immersion heater, storage heating, towel rails, under-floor heating, battery banks and electric vehicles. Where smart meters are installed, EMMA also optimises the use of your electricity to minimise the cost of imported grid electricity.

EMMA means more savings on your energy, bills and CO₂ emissions. All Cool Power's solar PV systems come with EMMA.

Ask us for our solar PV and EMMA brochures today – call 01 484 7209

Quick and easy

When you buy a Cool Power system we supply all equipment for your project, and submit all required grid-connection documentation to the relevant bodies. We also 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 it for you we are on hand to advise and instruct them. A typical installation takes one or two days with no mess or disruption.

Quality

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.

Find out about all the benefits you will get from using Cool Power's products in your home or business - email us at sales@coolpower.ie and ask for our Welcome Pack. We'll send you everything you need: a Frequently Asked Questions sheet, a Customer Information Form so we can advise you on the best solution for your needs, and a price list.

What Our Customers Say



“Thanks to Cool Power, my ESB meter has been stopped most of the time during the recent spell of bright cold weather. My friends can’t wait to get solar PV and EMMA”

“I will be recommending Cool Power to clients”

“Everything is going swimmingly well with your system”

“Just dropping you a note so say how impressed I am with my solar PV installation”

Contact Us

Take the first step in discovering the amazing world of solar PV. Call us now to find out how you can use solar PV, manage your micro-generator’s output, and reduce your energy costs and emissions:

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Email: info@coolpower.ie


coolpower Products
smart sustainable energy

www.coolpower.ie