



The owner was over the moon when the ESB meter stopped and EMMA started diverting his surplus solar PV power to his hot water and heating systems... in mid-February

SAVE MONEY

EARN FEED-IN TARIFFS

REDUCE YOUR CARBON FOOTPRINT

PREVENT UNWANTED EXPORT OF ELECTRICITY

EMMA... Puts You in Control

ENERGY AND MICRO-GENERATOR MANAGER

FOR SOLAR PV AND WIND & WATER TURBINES

Did you know... 50-70% of the electricity produced by your renewable energy micro-generator may be superfluous to your immediate requirements and so is automatically exported to the grid with little or no benefit for you?

EMMA solves this. By constantly monitoring, in real-time, how much electricity your micro-generator is producing, and how much electricity you are using, EMMA spots any surplus energy being produced. EMMA then intelligently decides whether to store it (as hot water or space heating) or export it (so you benefit from feed-in tariffs). The result for you is substantial savings on your energy bills, optimal income from feed-in tariffs and an even smaller carbon footprint.



How much will EMMA save me?

Savings and payback times depend on your energy needs and preferences (e.g. how much hot water you like to have) and your micro-generator. Payback results from electricity being put to useful purpose onsite - heating your hot water or home - instead of needlessly being exported. You effectively get 'free' hot water or heating. EMMA is highly cost effective - savings are typically equivalent to the output from solar thermal collectors which are much more expensive to buy and disruptive to install than EMMA. Call us if you would like an estimate of the savings you can expect from your EMMA.

How much does EMMA cost?

EMMA comes in various sizes and models to suit different micro-generators. Call us for the latest pricing.

How is it installed?

EMMA is fitted near your fuse board by one of our approved installers. Installation is quick and creates no mess or disruption. Suitable for new and existing micro-generators, EMMA starts running and saving you money immediately.

Is it easy to use?

Yes, once installed you don't need to do anything, although you may like to view the data EMMA displays, such as the current hot water temperature. We provide Operating Instructions, and if you have questions you can always call us.

What about Guarantees?

EMMA is patented, CE certified, compliant with relevant European Directives and comes with a 12 month warranty. It has been used Ireland and UK-wide for over 4 years.

Cool Power Products are a 100% Irish company.

CALL US TODAY

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Email: info@coolpower.ie

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This device is protected under Irish Short Term Patents Nos S85091 & S85092; US Patent Applications Nos 12/596,078 & 12/596,048; European Patent Applications No 08736348.7. Country of origin: Republic of Ireland. Cool Power Products Ltd Registered no. 450079. Registered office: 89 Booterstown Avenue, Blackrock, Co. Dublin, Ireland. Flyer v9, April '11



EMMA GVS - ALL THE BENEFITS OF EMMA, PLUS:

- **Install micro-generators over the UK's 3.5kW limit**
EMMA GVS limits electricity export from your micro-generator to whatever ampage your network operator allows - so you never exceed the permitted threshold.
- **Avoid expensive network upgrade costs**
With EMMA GVS you do not have to spend thousands upgrading the network to fit the PV or turbine you want. You get immediate pay back on sites that would otherwise require a network upgrade costing many times the price of EMMA.
- **Eliminate 'flicker'**
Flicker occurs when extreme conditions (e.g. storms) cause spikes in the electricity generated. This can cause grid-connection problems. EMMA GVS prevents these spikes.
- **Significantly increase generator output** on sites with high impedance connections by greatly reducing the frequency and duration of over-voltage trip events.

EMMA GVS... Lets You Go Large

ENERGY AND MICRO-GENERATOR MANAGER

'GRID VOLTAGE STABILISATION' MODEL

FOR SOLAR PV, WIND & WATER TURBINES

WANT A LARGER MICRO-GENERATOR? HAVING NETWORK CONNECTION OR UPGRADE ISSUES?

EMMA GVS IS THE SOLUTION!

- INSTALL MICRO-GENERATORS ANY SIZE YOU WANT
- AVOID NETWORK OPERATOR LIMITS
- AVOID EXPENSIVE NETWORK UPGRADE COSTS
- INCREASE YOUR RETURN ON INVESTMENT



EMMA GVS – Your 'Energy Broker'

EMMA GVS gives you maximum financial and environmental returns from your micro-generator. Maximizes cost savings, energy savings and income from feed-in tariffs.

How much does EMMA GVS cost?

Different models and sizes are available to suit all micro-generators and networks. Contact us for the latest pricing.

How is it installed?

EMMA GVS is quick and easy to install and suitable for new or existing micro-generators on single- or three-phase networks.

What about Guarantees?

EMMA GVS is patented, CE certified, compliant with relevant European Directives and comes with a 12 month warranty.

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coolpower Products®
smart sustainable energy

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