

ENERGY SAVING SOLUTIONS at the

Home & Garden Show

Ramada Inn, Ballina, Co. Mayo

Friday, February 21st • Saturday February 22nd • Sunday February 23rd

CareyGlass Solar's innovative systems making light work of energy efficiency

CareyGlass Solar is Ireland's leading specialist in solar thermal, grid connected and off grid photovoltaic (PV) systems. With 45 years experience in the construction industry and 20 years international experience designing and operating solar systems, CareyGlass Solar's team of experts can respond to even the most complex challenges.

The house pictured above features many of the systems more and more Irish consumers, architects and builders are specifying. Contrary to popular perception, these systems are maintenance-free, leaving the homeowner to enjoy their many benefits.

PV system (Centre of roof)
This 3.96 kWp grid connected PV system comprises of 24 CareyGlass Solar 165W modules.

The system will generate 100% of the household's electricity requirements. With the introduction and incorporation of an ESB Smart Meter in the future, this household will optimise the use of electricity generated by the PV array. Any excess energy produced will be exported to

the grid and will be offset by energy imported from the grid during hours of reduced day light, making this household self sufficient.

Solar Thermal system

(Right of roof)
Three solar thermal panels, giving a solar collector area of 8.1m² are contributing to a 400 litre domestic hot water cylinder. This solar thermal system will normally provide up to 75% of the total domestic

hot water requirements.

There's also a larger solar thermal array on the garage at the rear of the house, totalling 13.5m², which is contributing towards the underfloor heating system.

Vista Therm Roof Windows (Left of roof)

The Vista Therm Roof Windows incorporate a Vista Therm Elite

“ The system will generate 100% of the household's electricity requirements

double glazed unit with a U-Value of 1.1W/m². With a wide range of high performance solar control glass available and custom fitted flashing, windows can be tailored for individual needs.

FOCUS: ENERGY SAVING HOUSE



● The newly built home incorporating many of CareyGlass Solar's innovative energy saving systems.

Samson Wood Windows

Samson Wood windows are used throughout this house. Each window incorporates Vista Therm Elite SE, triple glazed unit (0.7w/m²), offering one of the highest performance windows possible under current energy requirements.

Airtight construction combined with energy efficiency working at its very best gives an aesthetically beautiful product that works to

save energy within the home.

All elements in the design of Samson Wood Windows and doors combine to give durability, environmental sustainability, thermal insulation, ventilation and airtight construction. The design possibilities are endless: what the customer designs, Samson Wood can manufacture.

Evelyn Carey of CareyGlass Solar takes up the point:

'CareyGlass Solar systems offer our customers great flexibility in terms of specification and design,' she says.

For enquiries, telephone

CareyGlass Solar on 1890 252 412

or email

info@CareyGlassSolar.com

Full details online at

www.CareyGlassSolar.com

CareyGlass SOLAR

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Energy saving Wood Pellet Thermostove and Boilers

Wood pellet stoves and boilers provide you with a more cost-effective and energy-efficient means of heating your home.

These boilers have a considerably higher heat efficiency than most traditional heating systems. They are easy to install, require low pellet consumption, and can, if desired, incorporate a back boiler to generate hot water. Besides allowing for cost savings, heating with wood also has the advantage of being kinder to the environment: wood is carbon neutral and doesn't contribute towards irritating climatic conditions as fossil fuels do.



Heat Pumps: Saving you money by heating your home the natural way

The CareyGlass heat pump works by extracting heat energy from a low temperature source and upgrading it to a higher temperature so that it can be used for space and water heating.

Heat pumps turn homes into low-maintenance, cost-saving, ecologically beneficial domestic units. Overall energy reduction is guaranteed: by extracting heat from natural sources, there is less consumption of fossil-fuel-fired energy and electricity. Lower heating bills are achieved, and your home will have substantially less greenhouse gas emissions.



SAMSON WOOD

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CareyGlass
IRELAND

Carey Glass, Limerick Road,
Nenagh, Co. Tipperary.
E: info@samsonwood.com

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