

Press release

Decentralised power generation with new photovoltaic system

- **Simple solutions for all applications**
- **All components made in Germany**
- **Preconfigured sets for ease of planning**

Frankfurt am Main / Remscheid, 14 March 2017 – When it comes to supplying heat and hot water, electric power is the energy medium of the future. Electricity is increasingly produced in a decentralised, eco-friendly manner, involving the use of renewable energies. At the ISH 2017 in Frankfurt, Vaillant is presenting the new, comprehensive and fully coordinated photovoltaic system auroPOWER. The range of photovoltaic modules includes a monocrystalline module for extremely high standards of visual appeal, a monocrystalline module for maximum efficiency and a polycrystalline module that offers the best possible value for money. The company puts a major emphasis on the quality of its components, and all its products are therefore made in Germany.

“We can give skilled tradesmen a full-scale solution with standard components that are easy to plan and install,” says Christian Sieg, Head of Product and Service Management at Vaillant Germany. Only a small number of components are required for a customised photovoltaic system which is suitable for detached and semi-detached houses. This makes it easier for skilled tradesmen to handle both assembly and storage. When setting up a system, a skilled tradesman can either customise it or use one of several preconfigured sets.

The inverter weighs no more than 10 kg and can easily be assembled by a single person. Moreover, the system can be commissioned without a laptop or Internet connection. A feed-in management system is already included, ensuring both static and dynamic output reductions. Optional accessories are available, allowing communication with the ripple control receivers of the utility company or the eloPACK battery storage system. Also, there

is an optional energy meter, recording the household's own use within the system, so that one's own consumption ratio can be increased. The inverter has the highest possible efficiency of up to 98.7 per cent. The supporting structure for assembling the photovoltaic components has been designed as a modular system. It is suitable for slanting and flat-roof systems. Here, too, skilled tradesmen can save time by using preconfigured sets.

After the ISH, Vaillant will demonstrate its full range of products in a mobile house that meets all the requirements of an Efficiency House 40 Plus, a standard supported by the German state-owned development bank KfW. The house will feature the various Vaillant products that can be used in technical installations and which helped reach the KfW standard. This includes, for instance, a fully operable 1.77 kWp photovoltaic system, the aroSTOR/aroTHERM and flexoTHERM exclusive heat pumps, a recoVAIR ventilation unit, an eloPACK battery storage system and a multiMATIC 700 system controller with VR 920. The mobile KfW Efficiency House 40 Plus will be a source of information for end customers and also a training venue for skilled tradesmen.

About Vaillant

Vaillant offers its customers worldwide eco-friendly, energy-saving heating and ventilation systems that make increasing use of renewable energies. Its product portfolio encompasses solar-thermal and photovoltaic systems, heat pumps, pellet boilers, ventilation systems for low-energy buildings, combined heat and power stations, high-efficiency heating systems using fossil fuels, and intelligent controls.

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Captions:

The new full-scale photovoltaic system auroPOWER makes it possible to create a customised system from a small number of components.

One-stop shopping for a KfW Efficiency House 40 Plus: a recoVAIR controlled domestic ventilation unit, an aroTHERM air-water heat pump with uniTOWER, as well as auroPOWER photovoltaic modules and an eloPACK battery storage system.

Image: Vaillant