

Press release

A self-sufficient house with the Vaillant battery storage system

- **Second-generation battery storage system eloPACK with improved functions**
- **Modular system: from 2 to 12 kWh output**
- **Battery cells conform to highest safety standards**

Essen / Remscheid, 9 March 2016 – For homeowners, planning certainty and independence from fluctuating electricity prices are top priorities. Storing self-produced electricity, as well as heat, can play an important role here. That is why Vaillant is presenting the second generation of the eloPACK battery storage system. “The new eloPACK can be incorporated into systems efficiently and flexibly,” says Christian Sieg, Head of Product and Service Management at Vaillant Germany. “For example, the device can be combined with electrically powered heating units and all electricity generation systems, such as photovoltaic systems, CHP units, fuel cell heating systems as well as wind or hydroelectric power systems.”

Easy to install and integrate into other systems

Thanks to its compact design, the device can be easily integrated into existing systems and into the electrical environment of buildings. To do so, it is only necessary to establish the electricity and data connections and a bus connection. The battery modules and casing are delivered separately, which simplifies transport to the installation site.

The battery storage system is available in increments of 2 kWh, with capacities ranging from 2 to 12 kWh. All output sizes are equipped with the same components, such as standard outer casing and the same inverter. Only the number of battery modules used is different, depending on the capacity. This structure guarantees a high level of flexibility: integrated devices can be expanded with additional battery modules at any time, increasing the storage capacity of the device. Further interventions are not necessary. This keeps the initial investment as low as possible.



Only high-quality modules using lithium iron phosphate technology are used in the device. Due to this, the battery storage modules fulfil the highest safety standards. The modules' capacity is given consistently as the usable capacity actually available. With conventional battery systems, the technical data often only specifies the overall capacity and not the actual capacity available for charging. That means that, under certain circumstances, a conventional battery storage system labelled as having a 10 kWh capacity may actually only have 5 kWh available for storing electric power.

Kommentar [W+W1]: [Anm.: „Li-Ion-Eisenphosphat-Technik“ – bitte Terminologie prüfen.]

20-year lifespan – guaranteed

Vaillant calculates a lifespan of around 20 years for a battery storage system. This easily covers around 10,000 complete charge cycles. “If you count on around 250 charges per year, it amounts to 5,000 charge cycles after 20 years. That means that the system has enough of a buffer for a long and reliable service life,” says Sieg.

During the initial phase, Vaillant's factory customer support team will be responsible for putting the system into operation. Skilled technician partners can then complete training from the second quarter of the year onwards.



Caption: The second generation of the eloPACK battery storage system completes Vaillant's product portfolio for electricity storage.

Image source: Vaillant