

Siemens is launching a new battery storage for private homes

With the Junelight Smart Battery, Siemens is offering its first battery storage specially geared to the requirements in private homes for the storage and use of self-generated energy. The lithium-ion storage combines functions for intelligent and safe energy management and a modern design. Homeowners can use it to maximize the share of their self-generated energy, e.g. from photovoltaic systems, for their own consumption, to minimize their energy procurement costs and to make a long-term contribution towards the reduction of CO₂ emissions. The Junelight Smart Battery coordinates the predictive charging and discharging procedures depending on the weather-related yield forecast of the photovoltaic system and the individual consumption profile of the household. Using the mobile Junelight Smart App, all energy flows – from production, through storage, right down to consumption and grid in-feed – can always be monitored in real time. The storage capacity can be flexibly adapted to individual needs at any time, encompassing up to 19.8 kilowatt hours (kWh). The Junelight Smart Battery is now available in Germany and will be launched in Austria in April 2019.

"More and more homeowners are generating their own solar power – and, in light of sinking feed-in tariffs and rising electricity prices, they want to use it completely for their own consumption wherever possible. The Junelight Smart Battery creates the technical basis for future-driven, sustainable and economical energy management within the home. This allows homeowners not only to lower their energy costs, they are also making a substantive contribution towards the success of the energy transition," says Andreas Matthé, CEO of the Siemens Business Unit Low Voltage & Products.

Proactive and safe charging management

When charging and discharging the battery, the Junelight Smart Battery automatically takes user-specific weather and consumption forecasts into account. This means the battery is only completely charged in times with high photovoltaic power dissipation, thus minimizing power losses. The high quality and safety of the Junelight Smart Battery has been confirmed by the VDE Association for Electrical, Electronic and Information Technologies: both the manufacturing process and the complete system have been certified according to all relevant standards. In addition, each software update is tested by the VDE in terms of safety-relevant influences. This guarantees maximum safety for both persons and buildings.

Innovative technology

The capacity of the Junelight Smart Battery allows for unlimited modular expansion at any time: up to six battery units with a net capacity of 3.3 kWh each can be retrofitted and flexibly adapted to changes in consumption behavior, e.g. when connecting heat pumps or charging electrical vehicles. The standard hardware of the Junelight Smart Battery is equipped with all relevant connections for future functional expansions, e.g. for new app features or functions involving intelligent consumption control. As a result, the system provides for easy successive expansion via software updates.

Award-winning design

The Junelight Smart Battery is receiving this year's IF Design Award 2019 both for the outstanding design of the hardware and the mobile Smart App. The storage enclosure features a distinctive flat design, and the modern design concept comes with a choice of white or black finish, along with a digital display. The mobile Junelight Smart App won over the judges of the internationally renowned design label, especially due to the innovative user interface and clearly-arranged visualization of the relevant energy values.

The presentation of the 2019 IF Design Award is taking place on March 15 at the BMW Welt exhibition center in Munich.

This press release and press photos are available here:

<http://www.siemens.com/press/PR2019020166EMEN>

More information on Junelight Smart Battery is available at www.junelight.com

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