



Solar energy for homes stockholm

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oOne of the smartest residential communities in the world near Stockholm will generate, share and optimize energy to reduce bills, and offer sustainable, modern living

oThe first homes to integrate a fully holistic range of smart domestic appliances, devices such as blinds and HVAC, as well as solar systems and electric vehicle (EV) charging in a single app

o The energy-smart community will use smart home and energy management and sharing technologies to become self-sufficient, energy cost and carbon neutral

A development of new family homes in Brobyholm, Sweden is set to become one of the smartest residential communities in the world due to the connectivity of the technology installed. Able to generate, share and optimize energy, residents can expect lower energy bills, as well as improved sustainability credentials. Possible thanks to open technology, the application of industry standards, and vendors working together to innovate, never has so much technology been integrated and become fully interoperable in a smart home development.

Energy sharing technology and systems will be a major element at Brobyholm. Energy sharing will see main electrical assets such as EV chargers and solar inverters in the community synchronized to optimize energy use through load management. Samsung's smart appliances such as heat pumps, washing machines and dishwashers, can be programmed to operate when electricity tariffs are most affordable and when solar energy storage levels are sufficient. Solar panels on each house will charge storage batteries for the whole community's use.

With energy prices one of the leading concerns amongst leaders and populations across Europe¹, the development also provides an efficient energy management system that details energy consumption measurement, automatic adjustments to interior lighting based on outdoor darkness and optimizes cooling and heating systems in response to external temperatures or solar radiation.

The vision of Swedish investment, innovation, and real estate company, S Property Group, the Brobyholm community is approximately 35 minutes from Stockholm. It's a partnership not just with technology giants ABB and Samsung, but also Scandinavian housing developers OBOS, Portuguese clean energy firm, CleanWatts, SMA, a global market leader in solar and storage system technology and provider of intelligent energy management and e-charging solutions, and Three Sweden, the global mobile network operator is delivering 5G to the site.

Douglas Lundholm, COO at S Property said, "The new smart community in Brobyholm will be the first of its kind. The energy smart community will meet the highest standards in sustainability by drawing on the latest



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advances in technology and connectivity, in the home and across the development. A smart community that is high-tech and low carbon, one built for our future, with services from security to convenience seamlessly managed with comfort in mind."

The Brobyholm community will have 500 predominantly single-family homes for sale with some designated for rental purposes, with a potential future expansion of the site to 2000 expected. Visitors can see the technology in a live OBOS show home environment, in nearby Åkersberga. The next generation community blueprint it establishes is expected to expand into other projects from next year.

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