

Polarium Unveils a new Generation of Home Energy Storage, Delivering More Power at Lower Cost

Polarium, a leading developer of energy storage solutions, today announced the new generation of Polarium HomeBattery™, bringing enhanced solar performance, lower system costs, and smarter energy control to homeowners. The new model builds on the strong success of Polarium's first-generation home battery system while introducing a fully integrated hybrid inverter, enabling seamless management of both solar power generation and battery storage in a single, compact unit.

Following the commercial success of Polarium's first-generation HomeBattery, praised for its Scandinavian design, reliability, and ease of installation, Polarium now launches a new model, delivering more power, lower system cost, and fully integrated solar intelligence in one sleek, award-winning unit.

The new Polarium HomeBattery has advanced solar optimization capabilities, engineered to maximize solar output, even with limited or existing panel installations. Thanks to the solar inverter's wide voltage window, you can generate power even in limited sunlight, such as mornings, evenings and winter days. Solar production can start at just 60V, compared to the industry standard of 120V. The system continuously monitors your household's energy use and adjusts at the right time – automatically.

The system delivers 12kW of power at up to 40% lower cost. By integrating the hybrid inverter directly into the battery system, Polarium simplifies installation, reduces hardware complexity, and significantly improves overall value for homeowners.

Polarium HomeBattery continuously monitors household energy consumption and solar production, intelligently adjusting operation in real time. Designed in Scandinavia and built for demanding conditions, Polarium HomeBattery is suitable for robust outdoor installation and operates reliably in temperatures ranging from -20°C to $+45^{\circ}\text{C}$. Its clean, modern aesthetic has already been recognized through multiple design awards, while its construction is built to perform outdoors in demanding climates. Polarium HomeBattery also delivers best-in-class efficiency, providing 5–10% higher performance than typical market solutions. The high efficiency is achieved through Polarium's unique power conversion technology, eliminating the need for a DC/DC booster. The system reduces energy losses and improves overall performance — translating directly into more usable energy for the homeowner.

Safety and reliability remain central to the product's design. With proprietary Swedish hardware and software, and leveraging Polarium's expertise in battery technology, Polarium HomeBattery provides a secure and dependable solution for residential energy storage.

Customers benefit further from autonomous smart control powered by Polarium's AI, which continuously optimizes energy use by factoring in spot prices, demand charges, solar production, and individual household habits. With up to 40% more energy throughput over the warranty period compared to market standards, Polarium HomeBattery offers one of the highest guaranteed cost-saving values in the category.

With the new Polarium HomeBattery now on the market, homeowners can take a decisive step toward greater energy independence – unlocking more value from solar power, reducing costs, and future-proofing their homes with a smarter, all-in-one energy storage solution.

Polarium HomeBattery is available through a select group of partners: Svea Solar, Soltech, Gosol and Greenely.

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About Polarium

Polarium is a leading energy storage developer. We make energy storage and optimization solutions built on lithium-ion battery technology for businesses within telecom, commercial, industrial and residential facilities across the world. Polarium was founded in 2015 on the conviction that safe and smart energy storage solutions will be key to empower the transition to a truly, sustainable energy future. We are an impact business contributing to the energy transformation by enabling the electrification and intermittent power supply. Our cutting-edge and easily adaptable modular battery technology enables us to be in the forefront of developing state-of-the-art energy storage and optimization solutions for today – and tomorrow. Polarium is headquartered in Stockholm, with production in Vietnam, and customers across the world.

Image Attachments

[HomeBattery Black](#)

Attachments

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