

*Polarium*

# Polarium HomeBattery™

Harness power.  
Every day.



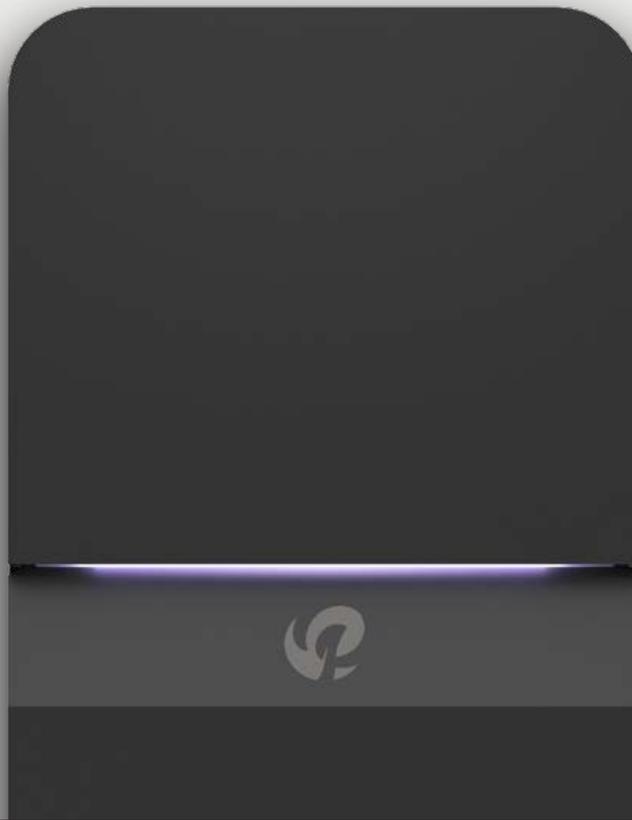


# Swedish engineering. Every day.

Polarium HomeBattery™ combines Swedish engineering and intelligent performance with effortless scalability and award-winning design. Take control of your electricity costs by reducing peak loads and balancing consumption automatically. With smart AI control, Polarium HomeBattery works quietly in the background, keeping electricity costs and grid fees down. Future-proof your home. Starting today.

## **Maximize Solar power**

Combine Polarium HomeBattery with solar power and take control of your own energy production. Thanks to the solar inverter's wide voltage window, you can generate power even in limited sunlight. The system continuously monitors your household's energy use and adjusts at the right time – automatically. Minimize your energy costs. Maximize the return on your investment.



**Born in Sweden.  
Resilient by nature.**

Built for Nordic conditions, Polarium HomeBattery™ performs reliably year-round. From Arctic cold to burning heat, it delivers high efficiency and lasting durability – whatever the weather.

**Smart energy control.  
Lower energy costs.**

Take charge of your consumption with the system's seamless integration into your home, adapting to your needs with efficient charging and intelligent discharge management. Or simply leave it be. The smart AI optimizer is powered by more than 10 years of experience in fleet management and energy optimization. By switching to battery power when electricity prices rise and charging when they drop, HomeBattery™ reduces peak loads – and saves you money.

**Safe and reliable power.  
When you need it most.**

A next-generation home battery, built to deliver safe power when it matters most. Its unique design allows energy to be stored on high-voltage DC, achieving 5–10% higher round-trip efficiency. The hardware features six layers of safety, including redundancy across all critical safety components and monitoring down to cell level.

**With or without solar.  
Our cloud is there for you.**

The Polarium Cloud Solution enables you to automatically participate in spot market trading or be aggregated, together with other HomeBattery owners, into a Virtual Power Plant (VPP) – with or without solar. HomeBattery™ is compatible with any system you may already have.

**Easy to install.  
Hard to keep up with.**

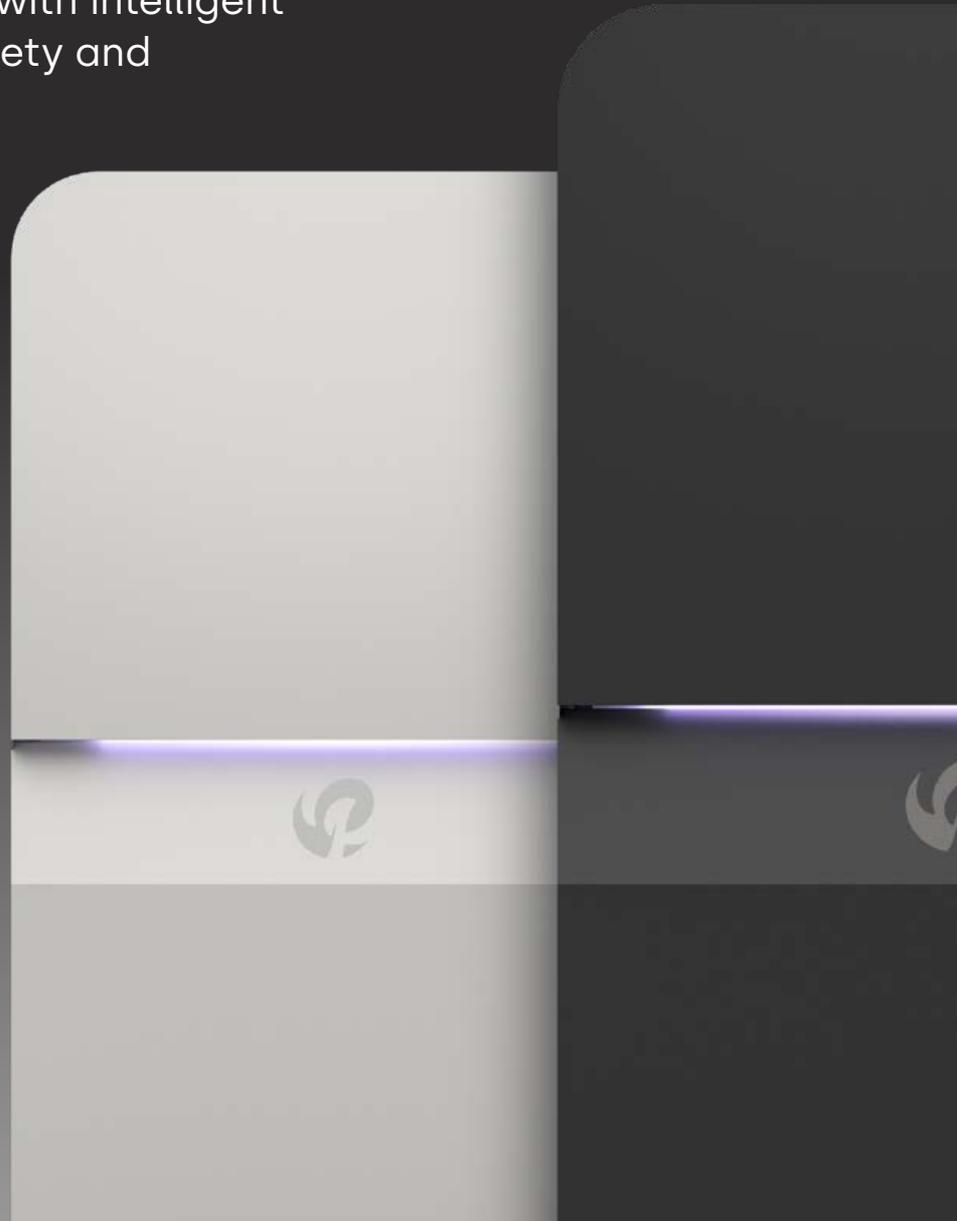
We take pride in being recognized as the fastest and easiest home battery to install on the market. A complete installation takes just 1–2 hours – significantly faster than the industry average of 6–8 hours.

**Market leading warranty.  
And local support.**

With a market-leading lifespan and a comprehensive 15-year warranty, Polarium HomeBattery™ is built for long-term performance. When needed, you have access to intuitive support tools as well as local service and support worldwide, with second-line support from our engineers at the R&D center in Stockholm, Sweden.

# All-in-one energy system. Complete control.

Future-proof your home with intelligent performance, built-in safety and effortless flexibility.



## Everything included

Smart meters, wireless connectivity and an integrated Energy Management System (EMS) are included as part of the hardware package.

## Less is more

With an integrated battery management system and AC connection to the grid via your home's junction box, Polarium HomeBattery requires fewer cables and fewer components on the wall. With a built-in solar inverter, our HomeBattery H12 needs no additional boxes, keeping your wall clean.

## Plug and Play

Whatever solar system or PV inverter you have installed, it will work with Polarium HomeBattery™. With an installation time well below the industry average, HomeBattery is up and running in no time.

## Polarium Home and installation-apps

The installer app simplifies the installation process, while the user-friendly Home app lets you monitor and control your battery system and energy consumption.



### Show your true colour

Polarium HomeBattery is available in three finishes: White Quartz, Black Stone and Red Granite (Limited Edition).

### Award-winning design

Polarium HomeBattery has achieved the prestigious Red Dot Design Award 2025 for Product Design Excellence and the IF Design award 2025. Polarium HomeBattery is designed to be seen – indoors as well as outdoors.



reddot winner 2025

MODEL B6

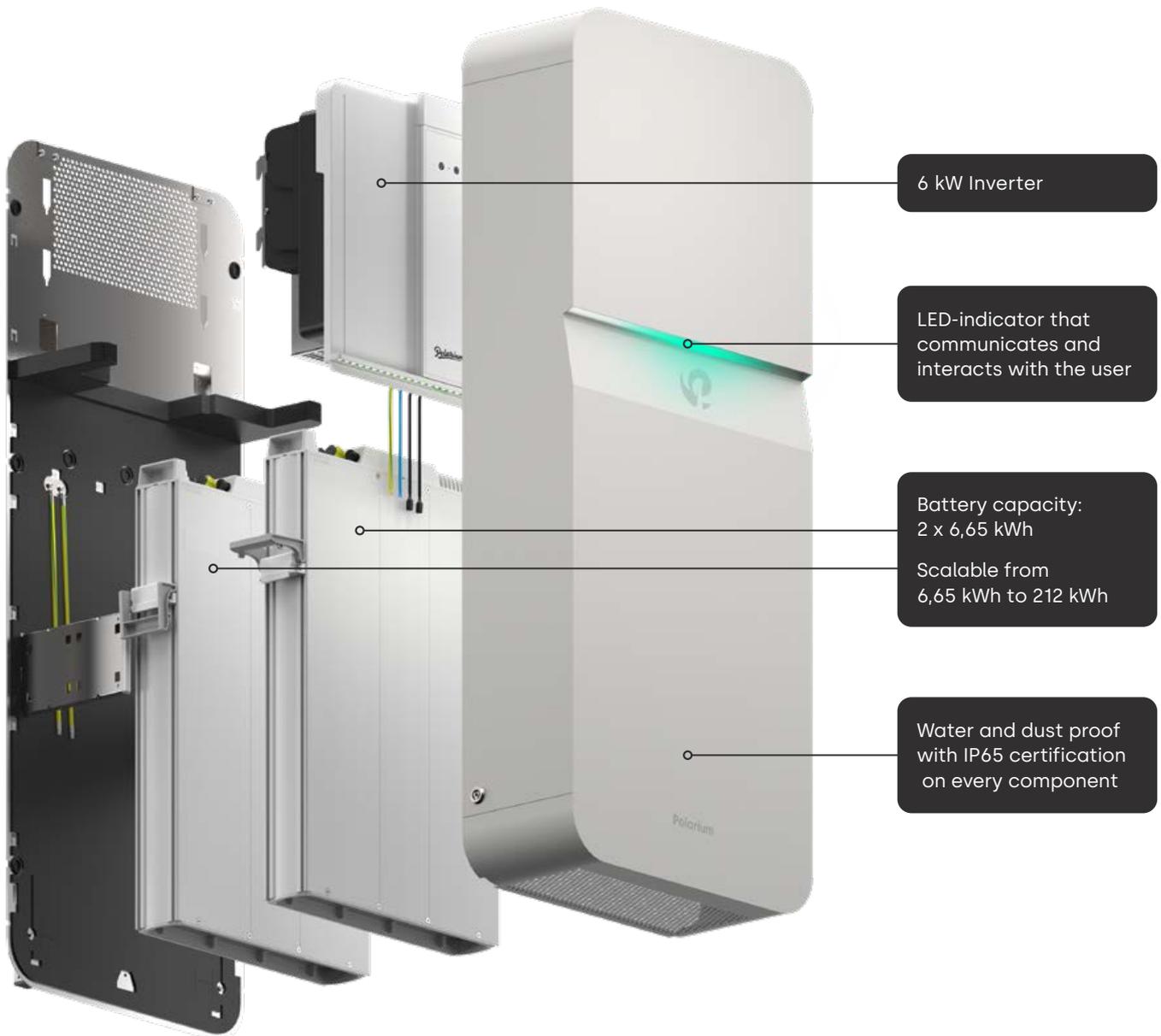
# NMC

# Bidirectional 6kW

Typical use cases are retrofit battery for homes with existing PV installation and battery-only installations without solar.

AC-coupled retrofit solution.

Compatible with any existing solar installation.



- 1-2 hour one man installation
- Highest throughput warranty in the industry
- Integrated antenna for radio, 4G and Wifi
- Wireless smart meters communicating with the battery

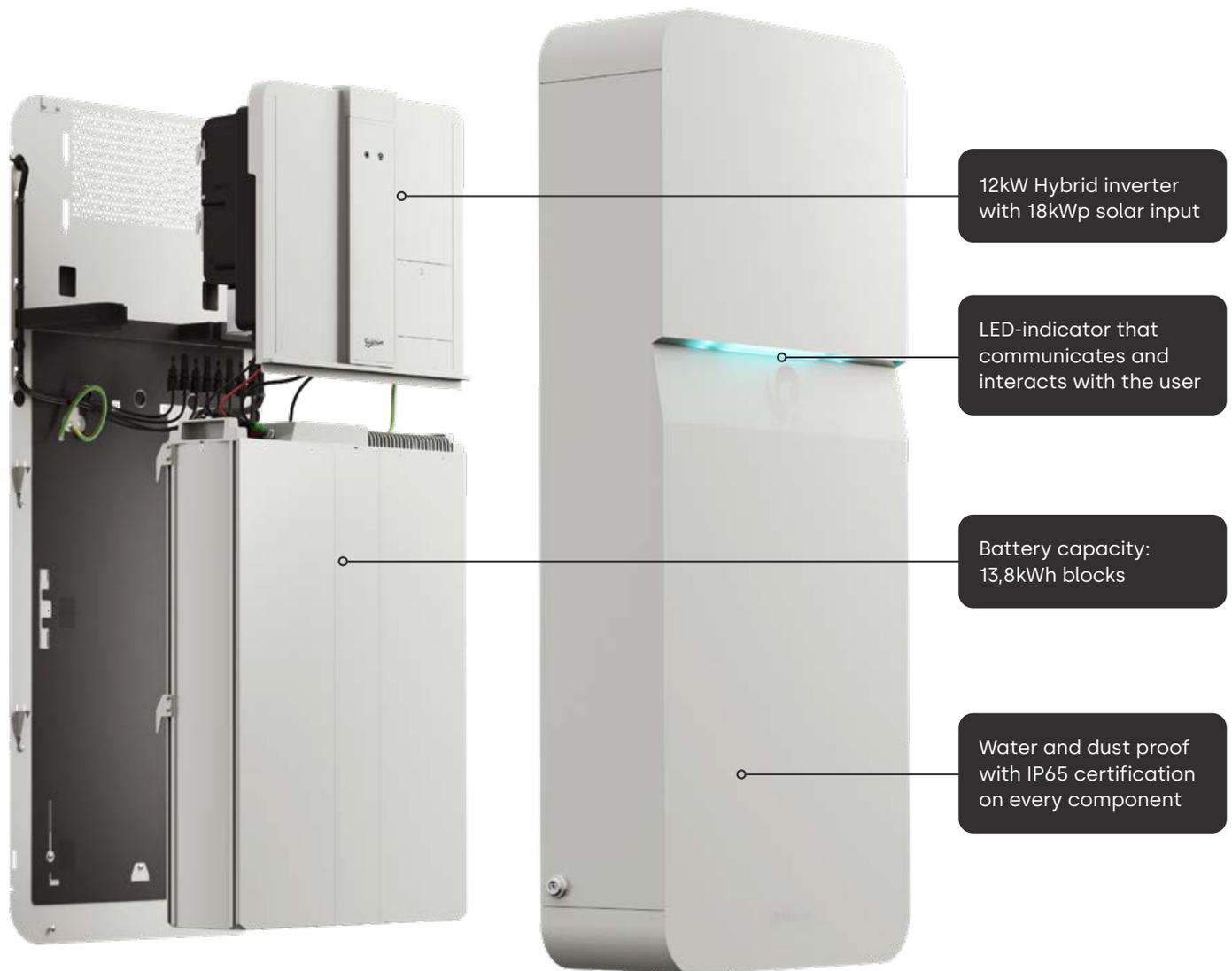
- Higher efficiency without DC/DC booster
- All cables pre-mounted for click and play installation
- Cabling included
- Detachable antenna for improved signal strength

- No pre-registration required before installation
- Scandinavian timeless design (LED indicator, no screen)
- Robust design for outdoor and indoor installations
- Multiple aggregators supported – no lock in effect

# LFP

# Hybrid 12kW

Typical use cases are new solar + battery installations.  
 Battery-only installations without solar.  
 Replacing existing solar inverters adding battery.



12kW Hybrid inverter with 18kWp solar input

LED-indicator that communicates and interacts with the user

Battery capacity: 13,8kWh blocks

Water and dust proof with IP65 certification on every component

- 1-2 hour one man installation
- Highest throughput warranty in the industry
- Integrated antenna for radio, 4G and Wifi
- Wireless smart meters communicating with the battery

- Higher efficiency without DC/DC booster
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# This is Polarium

## Unlock Endless Energy

Polarium was born in Sweden in 2015, founded on the conviction that safe, smart and sustainable energy storage solutions are key to enabling the transition to a truly sustainable energy future. We develop advanced battery energy storage systems that maximize value creation for our customers within telecom, residential, commercial & industrial, and large-scale utility applications. As an impact business, we contribute to the sustainable energy transformation by enabling renewables, electrification and intermittent power supply.

## Developed in Sweden – Powering the World

Polarium's headquarters and R&D center are based in Sweden, with production operations in Sweden and Vietnam, allowing us to serve customers worldwide—from Ghana to Svalbard. Today, Polarium's solutions are in use across all climate zones, enabling our customers to reduce energy costs and carbon footprint.

We develop energy storage and optimization solutions built on lithium-ion battery technology for customers within telecom, commercial and industrial facilities worldwide. We maximize value creation through cutting-edge technology and a three-fold product offering of battery modules, battery energy storage systems and energy optimization systems, as well as associated services.

Our easily adaptable modular battery technology enables us to remain at the forefront of developing state-of-the-art sustainable energy storage and optimization solutions for today – and tomorrow.