



# Polarium Home

Polarium Hybrid Inverter and LFP Battery Blade



## Sleek Design and High Performance

Compact design through high energy density with minimal weight and volume. High round-trip efficiency with minimal energy losses.

## Outdoor Performance & Safety

Designed to withstand diverse weather conditions for outdoor installation, the safest possible place for a battery installment. Easy to install and use.

## Smart Communication and Connectivity

Wireless communication with smart energy-meters, monitoring the homes' consumption and any production.

## Easy to use

User-friendly app for controlling and monitoring the battery system and home energy consumption. Installer app to simplify the installation process.

## Modular for Expanding Power

Modular design allows for upgrading energy capacity. Capability to install multiple Polarium Home for expanding power or energy storage.

## Designed in Sweden

Designed in Sweden to guarantee high quality and reliability with all software, firmware and cloud services developed within Europe.

## Polarium Hybrid Inverter and LFP Battery Blade

Item	HES-13-09-06-320	HES-13-18-12-320
PV Input		
Max. PV Power	18 000 Wp	
No. of MPPT / No. of PV strings	2 / 4	
Max. PV String Voltage	900 V	
MPP Voltage Range	60 – 600 V	
Max. MPP Current (per MPPT)	32 A	
Max. Short-Circuit Current (per MPPT)	48 A	
AC Output		
Rated Apparent Power [VA]	6 000	12 000
Maximum Active Power [W]	6 000	12 000
Rated AC Voltage [Vac]	3/N/PE ~230/400 VAC	
Rated Frequency [Hz]	50	
Battery Input		
Chemistry	LFP	
No. Battery Blades	1	
Rated Energy [kWh]	13,8	
Nominal Voltage [Vdc]	700	
Max. charge/discharge current [A]	20 / 20	
General		
Dimensions [mm]	W 625 x D 250 x H 1406	
Weight [kg]	155	
Operating Temperature [°C]	-20 to +45	
IP Class	IP 65	
Environmental Class	IEC 60721-3-4 (outdoor)	
Maximum Altitude	3 000 m	
Radio	LTE, Wi-Fi (2.4 GHz), WPAN (868 MHz)	
Safety Standards	IEC 62477-1, VDE-AR-E-2510-50 IEC 62311	
EMC	IEC 61000-6-1, IEC 61000-6-3	
Grid Code Compliance	EN 50549-1, VDE-AR-N-4105	
Standards Compliance (More Available Upon Request)		

Disclaimer: The data provided in this datasheet is for reference purposes only and is based on internal testing under specific conditions. While we strive for accuracy and consistency, specifications may be subject to minor changes without prior notice due to ongoing product improvements or variations in manufacturing and environmental factors.

