

A clever combination of photovoltaics and heat

This is the **ideal** way to network KOSTAL inverters with a heat pump from NIBE

In terms of sector coupling and as part of a successful energy transition, KOSTAL is constantly expanding its network with renowned partners. KOSTAL's new partnership with the Swedish heat pump specialist NIBE enables operators of photovoltaic systems to enjoy a combination of inverter and heat pump that functions smoothly.

The course is set for sustainability

A heat pump is an energy-efficient heating system that uses ambient heat to heat a building. A photovoltaic system is the perfect complement to this, because a large proportion of the electrical energy required comes directly from your own roof. Using renewable energies can significantly reduce the operating costs of a heat pump.

The German government is planning for an annual increase of 500,000 heat pumps from 2024. Through their high-quality products, KOSTAL and NIBE are the perfect response to these plans.

Smart combination of inverter and heat pump

The PLENTICORE hybrid inverter from KOSTAL and the S series heat pump from NIBE can be easily connected via WLAN or a network for smooth communication. The heat pump software communicates with the hybrid inverter via a standardised Modbus/TCP interface according to the SunSpec protocol. In this way, the available power of the PV system is balanced with the power required by the heat pump so that the available electricity can be put to ideal use.



NIBE's S series heat pumps

NIBE heat pumps from the S series are equipped with innovative technology that enables high performance and energy efficiency. They use what is known as inverter technology, which enables them to automatically adapt their output to the building's requirements. This maximises the efficiency of the heat pump and minimises energy consumption. In addition, the heat pumps in this series can be used to both heat and cool a building.

They are also equipped with a number of features that help to extend the life of the heat pump and optimise its performance.



The PLENTICORE plus hybrid inverter

The PLENTICORE plus as a hybrid inverter is the perfect all-round solution for all conceivable system configurations and offers a simple connection to the NIBE heat pump. As a true all-rounder, the PLENTICORE plus has a stand-alone output of between 3 kW and 10 kW and achieves even higher outputs when two or more devices are interconnected. It provides dynamic regulation, delivering the greatest possible amount of self-produced electricity at the right time.



An important step forwards

Home owners focusing on sustainability, scalability and independence can be sure they are making the right choice with products from KOSTAL and NIBE. The high-quality products from Germany and Sweden allow them to be independent of volatile energy prices. Thanks to smooth compatibility and user-friendly control of the system components between KOSTAL and NIBE, nothing stands in the way of sustainable and carefree heating.

About NIBE

NIBE develops intelligent and energy-efficient solutions for a comfortable indoor climate that are used in all types of buildings. NIBE also supplies the market with components and solutions for intelligent heating technology and control in the industrial and infrastructure sectors. NIBE was founded more than 65 years ago in a region in southern Sweden renowned for being a champion of entrepreneurship. Through targeted efforts, NIBE has grown into an international group with more than 20,000 employees in over 30 countries.

About KOSTAL Solar Electric

KOSTAL Solar Electric was founded in 2006 as a separate branch of KOSTAL Industrie Elektrik. Today, KOSTAL Solar Electric is one of the leading suppliers of innovative solar, hybrid and battery inverters for domestic and commercial systems. The KOSTAL Smart Energy Meter and the KOSTAL ENECTOR wallbox round off the innovative product portfolio. With KOSTAL products and the KOSTAL Solar Portal and Solar App monitoring tools, customers have key instruments for intelligently generating, storing, controlling and using solar energy.