

# PIKO CI & PLENTICORE BI

**COMMERCIAL  
SOLUTION**

Efficiently convert and powerfully store solar power from commercial roofs



## KOSTAL inverters: Optimally equipped and developed for reliable use in commercial applications

Rising energy costs are making self-consumption of solar power increasingly attractive, even in power ranges above 30 kWp. With the help of the PIKO CI commercial inverter and the PLENTICORE BI battery inverter, the potential of commercial roofs can be optimally utilised. **In combination with a BYD Combiner Box, it is even possible to operate three storage units in parallel with up to 66,3 kWh. This can reduce electricity purchase costs by up to 80 % or more.**

### Good to know:

A PV obligation for new commercial buildings is already coming into force in the first European countries (e.g. Germany). With the PIKO CI and the PLENTICORE BI from KOSTAL, there is now a solution that allows you to reliably supply your commercial operation with energy you have produced yourself.

### The advantages at a glance:

- Visualisation of photovoltaic output, battery storage and energy consumption via KOSTAL Solar Portal.
- Ready for use for direct ripple control signal connection.
- Integrated Smart AC Switch: usually no additional coupling contactors are necessary for system sizes up to 135 kW (depending on the grid operator).
- Simply fits – the most modern and powerful modules with currents up to 18 A thanks to 39 A MPP trackers.
- Easy installation and convenient configuration with the PIKO CI app.
- The KOSTAL Smart Energy Meter measures the power demand and surplus – with an optional transformer measurement.
- Real 10 kW charge and discharge power to permanently supply powerful consumers.

## PIKO CI 30, 50 and 60

- Two compact sizes with 33 kVA or 55/66 kVA power output
- Module current of up to 18 A per string
- Two to four MPP trackers for flexible system design
- All communication interfaces as standard (WLAN, 2x LAN, RS485, ripple control receiver)
- Type 2 AC/DC overvoltage protection integrated
- VDE-AR-N 4110 certified

## PLENTICORE BI

- Powerful: up to 10 kW charge and discharge power
- Proven technology – now with extended 26 A battery current
- Up to 66,3 kWh storage capacity with BYD Combiner Box

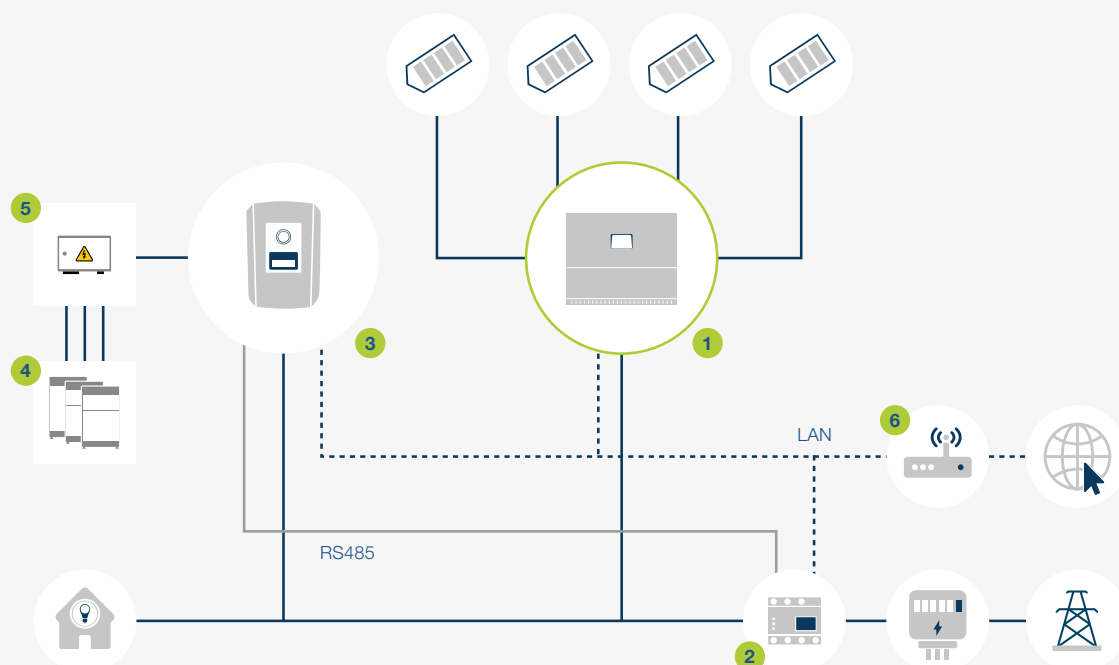
### Project planning aids

- Flexible and scalable system design with KOSTAL Solar Plan or with industry-standard simulation software (e.g. PV-Sol, PV Syst)



### Efficiently convert and store with high outputs:

Flexible installation thanks to the compact dimensions of all components – equipped and ready for future requirements.



## Smart connections.

**In the chart:** The PIKO CI (1) reliably converts solar power into usable alternating current. The KOSTAL Smart Energy Meter (2) measures excess power or power demand. This information is used to control the PLENTICORE BI battery inverter (3), which charges or discharges the connected batteries (4).

With the BYD Combiner Box (5), up to three storage units (up to 66,3 kWh) can be operated in parallel. With a network connection (6), the energy flows can be visualised in the solar portal.