

## PIKO MP plus

**Can be configured either as PV, hybrid or battery inverter.**

With the PIKO MP plus you always have the right inverter at hand for every small PV system. Even on the construction site, you can still decide whether you want to build a pure PV system, a combined PV system with battery storage or simply retrofit a battery via AC.

What's more, the battery function can be retrofitted at any time! Even in older 1-phase PV systems, replacement of the inverter is a straightforward, future-proof and cost-effective process. It enables self-consumption to be optimised with current battery technology when the Renewable Energies Act subsidy has expired.

- + 1-phase inverter
- + 1.5 to 4.6 kW AC
- + 1 or 2 MPP trackers
- + Can be combined with BYD Premium HVS and HVM battery system

- + Battery control in conjunction with KOSTAL Smart Energy Meter (KSEM)
- + Monitoring via the KOSTAL Solar Portal and with the KOSTAL Solar App

**Can be configured as:**



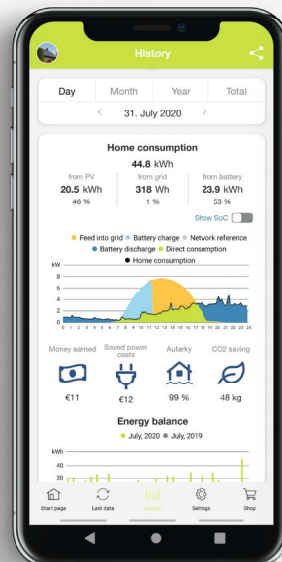
pure PV inverter



hybrid inverter



AC battery inverter



Smart connections.

**Good to know!**

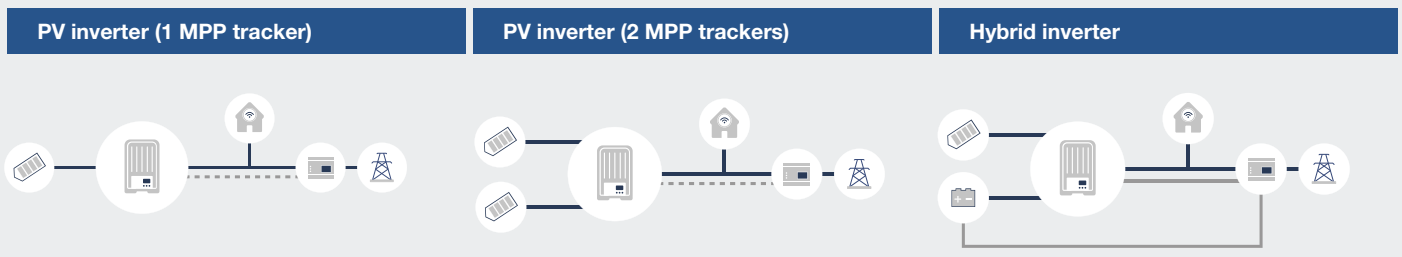
Amongst other things, the app shows you consumption and generation data over different time periods (day, week, month and year) as well as how much energy is stored in the battery and a breakdown of self-consumption from PV and battery.

# Typical applications

## Replacement business

The input range of the extended MPP tracker allows for straightforward use in existing systems. PV yields are shown on the display – or to make things more convenient – in the Solar Portal and app. Installing a KSEM also enables monitoring of

home consumption with data being displayed in the portal and app. We would recommend a device with two MPP trackers if connecting a battery right away or at a later date. The battery is connected to the inverter via one of the MPP trackers and controlled via the KSEM.



## Cost-effective battery upgrade via AC coupling

The existing PV system can be easily extended with an AC coupled storage system. The PIKO MP plus, configured as an AC battery inverter and equipped with our KSEM as well as the modular BYD Premium HVS/HVM system (5.1 to 22.1 kWh) is the ideal solution for smaller existing systems of up to 5 kWp PV power. Here, too, battery monitoring and monitoring of home consumption can be accessed with greater convenience via the Solar Portal or app. For larger PV systems, we would recommend the PLENTICORE BI.



## Extension of existing systems

The flexibility of the PIKO MP plus makes it ideal both for pure PV system extensions and for adding a suitable battery storage system to the PV system.

**You can find more information in our „Repowering-Flyer“**

[www.kostal-solar-electric.com/repowering](http://www.kostal-solar-electric.com/repowering)

Here, too, the PV yields are shown on the display – or to make things more convenient – in the Solar Portal or app. Alongside additional monitoring of home consumption, installing a KSEM also makes connection to other installed KOSTAL inverters possible. Thus, all PV yields, home consumption and, if applicable, battery charging and discharging processes are documented and displayed. With the Renewable Energies Act amendment on 1 January 2021, which now also takes into account private systems up to 25 kWp, retrofitting may make sense for relatively new PV systems. Scope for "e-mobility" and "air conditioning" are just two good reasons to maximize PV in the home.

Smart connections.

## Expert tip:

Upgrading inverters to the latest version usually reduces the tax burden up to 2 years before the Renewable Energies Act subsidy expires. By retrofitting the battery functionality, systems can be prepared for the end of the Renewable Energies Act subsidy and tax benefits can be taken advantage of.

This tip naturally also applies to larger 3-phase systems and our PLENTICORE plus. Take a look at your existing systems with this in mind. Your customers will be pleased to receive a relevant notification.