

KOSTAL inverter PIKO MP plus now compatible with TIGO TS4

Optimisation, monitoring, safety – more options for the KOSTAL PIKO MP plus in conjunction with the TS4 series from TIGO

In the past, KOSTAL Solar Electric itself has successfully tested the TS4-O optimiser for perfect compatibility, most recently for the PLENTICORE plus hybrid inverters and the PLENTICORE BI battery inverter.

Now the PIKO MP plus inverter can also be successfully used in conjunction with the TS4 products from the manufacturer TIGO – for optimisation of PV yields, optimum monitoring and additional safety functions, such as the rapid shutdown of the solar modules, e.g. in the event of a malfunction.

PIKO MP plus – ideal for small photovoltaic systems

The single-phase PIKO MP plus inverter is ideal for small photovoltaic systems on detached houses or garage roofs. In combination with the KOSTAL Smart Energy Meter, the PIKO MP plus transforms from a pure solar inverter into a hybrid inverter.

As a hybrid inverter, the PIKO MP plus enables both solar power generation and storage of the generated energy in a connected battery storage unit.

PIKO MP plus with TIGO TS4 series: this is how it works

The TS4 components can be integrated into a controlling TIGO energy intelligence platform with the wireless interfaces CCA (Cloud Connect Advanced) or TAP (TIGO Access Point), or with an RSS transmitter. This platform then centrally evaluates the status of the TS4 modules. In this way, the system status of the individual solar modules is continuously monitored.

Manual shutdown is also possible, for example in the event of a fire service call-out. The use of TIGO products is particularly recommended for systems where fire protection precautions are required in addition to cloud-based monitoring.

TS4 products at a glance

The TIGO TS4 product range includes seven different models. The following list shows the properties of each product.

- TS4-A-M Monitoring
- TS4-A-F Rapid Shutdown

- TS4-A-2F Rapid Shutdown
- TS4-S Monitoring, Rapid Shutdown
- TS4-A-S Monitoring, Rapid Shutdown
- TS4-O Optimisation, Monitoring, Rapid Shutdown
- TS4-A-O Optimisation, Monitoring, Rapid Shutdown

Both the KOSTAL warranty and the TIGO warranty remain valid if the installation and operating requirements for each product are complied with. When using TIGO products with an optimiser function, the integrated shadow management in the inverter must be deactivated.

Summary

With parameter monitoring, status monitoring and compatibility with all TIGO TS4 components, the PIKO MP in the power classes 1.5 - 5.0 kW becomes even more flexible in its application, making it the perfect inverter for smaller PV systems that require module monitoring, optimisation or rapid shutdown.

Further information can be found here: https://www.kostal-solar-electric.com/de-de/download/download/-/media/document-library-folder---kse/2021/03/03/11/03/1827_he-tigo-ts4-modul_piko-mp-plus_de.pdf

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