

## Self-declaration on the limitation of the maximum feed-in power

The company

KOSTAL Solar Electric GmbH  
Hanferstraße 6  
79108 Freiburg i. Br., Germany

hereby declares, for the following inverter:

### PIKO CI 30

can be limited to a maximum feed-in power of 30 kVA.

The following points must be carried out for this purpose:

- Log in to the inverter via the PIKO CI App as administrator according to the operating instructions.
- Under the menu item Inverter settings > Power adjustment control > Reactive power control, check which mode is set for the reactive power.
- The specified  $\cos \phi$  at nominal power is the value to be taken into account for calculating the maximum active power.
- Calculation of the maximum permissible active power:

$$P_{\max \text{ in } \%} = \cos \phi \times 100 \% \mid \text{Example: Default } \cos \phi = 0.9 \mid P_{\max \text{ in }} \mid \% = 0.9 \times 100 \% = 90\%.$$

Under the menu item Inverter settings > Power adjustment control > Active power control, set the parameter Maximum active power from 110 % to the calculated value in percent (90 % in the example).

Via the ratio  $S_{\max} = P_{\max} + \cos \phi$  the apparent power is now limited to a maximum value of 30 kVA.

This declaration applies under the following conditions:

- All installation measures required for this have been set up and tested in accordance with the installation instructions.
- The system / installation has been configured to the previously specified percentage value of the active power limitation in accordance with the installation instructions.
- The declaration by a specialised company has been completed in full and is available.

This declaration applies to all identical specimens of the product. This declaration becomes invalid if a change is made to the unit or the unit is improperly installed.

**KOSTAL Solar Electric GmbH – 15.12.2022**

  
KOSTAL Solar Electric GmbH  
Hanferstraße 6  
D-79108 Freiburg  
Tel.: 0761-47744100  
Fax: 0761-47744111

Frank Henn  
(Managing Director)



ppa. Dr. Armin von Preetzmann  
(Vicepresident R&D)