

KOSTAL<sup>+</sup>ize

your energy

PIKO IQ

The powerful compact device



## KOSTAL – it's a PLUS

The three-phase PIKO IQ solar inverter impresses with its modern design, integrated shadow management and communication package for the private photovoltaic system.

**Simple:** The commissioning wizard makes simple and quick device configuration possible

**Smart:** The self-learning shadow management ensures maximum yields

**Innovative:** With the auto-update function, the inverter always automatically has the very latest software version

## Performance features

The three-phase inverter is available in power classes from 3.0 kW - 10 kW and can therefore be used with complete flexibility depending on requirements.

- ✚ 2 MPP trackers for flexible roof design
- ✚ Extended MPP range
- ✚ Safe installation due to clearly arranged, separate terminal compartment and protected power electronics
- ✚ Auto-update function
- ✚ Smart Communication Board
- ✚ Digital device display
- ✚ Data logger, system monitoring, network and control interfaces integrated as standard
- ✚ Compatible with the KOSTAL ENECTOR Wallbox
- ✚ Modbus / SunSpec communication
- ✚ Dynamic power control / static power limitation
- ✚ Limitation via ripple control receiver
- ✚ 24-hour home consumption measurement

# The variable solar inverter – ideal for flexible roof designs.



## Technical information

		PIKO IQ					
		3.0	4.2	5.5	7.0	8.5	10
Input side (DC)	Power class						
	Input voltage range ( $U_{DCmin}$ - $U_{DCmax}$ )	V			120...1000		
	MPP working voltage range ( $U_{MPPworkmin}$ - $U_{MPPworkmax}$ )	V			120...720 <sup>2)</sup>		
	Max. input current ( $I_{DCmax}$ ) per DC input	A			13		
	Max. PV short-circuit current ( $I_{SC_{PV}}$ ) per DC input	A			16.25		
System data	Number of independent MPP trackers				2		
	Output side (AC): Grid connection				3N~, 400 V, 50 Hz		
	Max. efficiency	%	97.1	97.1	97.1	97.2	97.2
	Protection class in accordance with IEC 60529				IP 65		
	Height / width / depth	mm			563 / 405 / 233		
Interfaces	Weight	kg (lb)	19.6 (43.21)			19.9 (43.87)	
	Ambient temperature	°C			-20...60		
	Connection technology, DC side				SUNCLIX plug		
	Connection technology, AC side				Spring-type terminal strip		
	Ethernet LAN (RJ45)				1		
Warranty	Energy meter connection for collecting energy data (Modbus RTU)				1		
	Digital inputs (e.g. for digital ripple control receiver)				4		
	Potential-free contact for self-consumption control				1		
	Webserver (user interface)				✓		
Warranty (Smart Warranty/Smart Warranty plus <sup>1)</sup> )		Years			10 (5 + 5)		

1) Activate your free warranty (Smart Warranty) now in the KOSTAL Solar online shop (shop.kostal-solar-electric.com). This does not affect your statutory warranty.

You will find more information about the service and warranty conditions in the download area for your product.

2) MPP range of 120 V...180 V (with limited current of 9.5-13 A). MPP range of 680 V...720 V (with limited current of 11 A).

Detailed layout can be seen in KOSTAL (PIKO) Solar Plan

Subject to technical changes. Errors excepted.

Discover the KOSTAL product portfolio and convince yourself of the wide range of applications.

You can find more information at [www.kostal-solar-electric.com](http://www.kostal-solar-electric.com)

