

KOSTALize

your energy



PIKO CI 100

The power pack for large fields

KOSTAL – it's a PLUS

The PIKO CI 100 is the powerful solar inverter for high efficiency - perfectly suited for large commercial roof areas and project business: profitable, reliable and clever.

Profitable: Flexible plant design and dynamically adjustable active power for consistently high energy yields

Reliable: Robust and certified housing (IP 65) and integrated protection against overvoltage

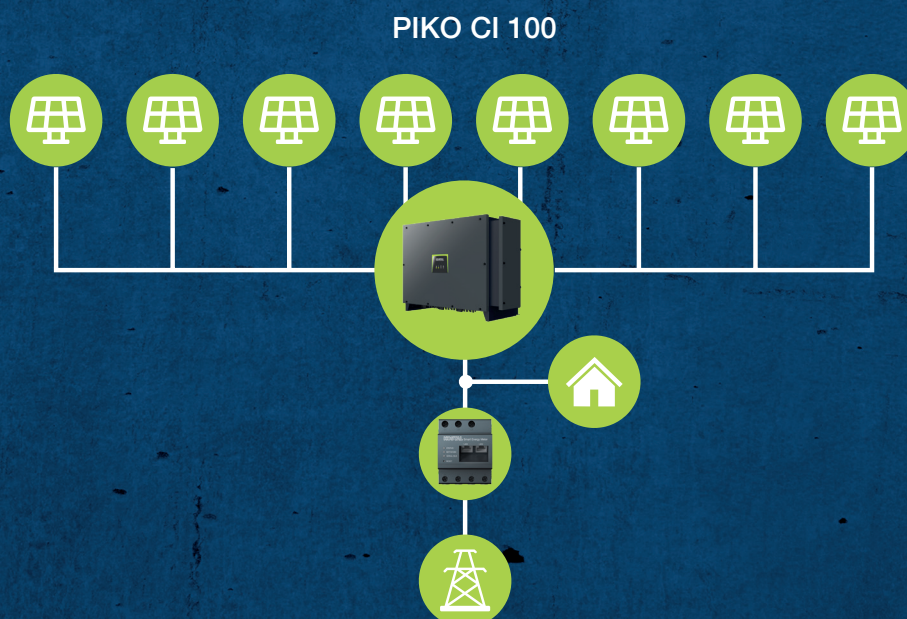
Clever: Easy and fast on-site commissioning with the own PIKO CI App

Performance features

Equipped with all necessary interfaces, technical refinements and safety features, the PIKO CI 100 ensures strong use and high performance on large roofs and open spaces.

- ⊕ IP65-certified housing for water / dust protection for outdoor use
- ⊕ Arc detection (AFCI)
- ⊕ Cost-optimised 4-wire connection
- ⊕ 16 DC inputs on 8 MPP trackers
- ⊕ Capable of ripple control thanks to integrated interface
- ⊕ Over-assignment of up to 50% DC to AC permits flexible generator design
- ⊕ Integrated KOSTAL Smart AC Switch (grid and system protection)
- ⊕ Integrated DC voltage separators
- ⊕ Up to 1100 V system voltage for optimum generator design
- ⊕ Integrated type 2 overvoltage protection (AC / DC)
- ⊕ Integrated data logger
- ⊕ PIKO CI App enables simple and convenient commissioning on site
- ⊕ WiFi interface
- ⊕ 2-way LAN with integrated switch for easy communication (daisy chain)
- ⊕ 2-way RS 485 for simple and direct communication

Getting the most out of your system – with up to 8 MPP trackers.



Technical information

		PIKO CI 100	
Input (DC)	Power class	kW	100
	Max. PV power ($\cos \phi = 1$)	kWp	150
	Input voltage range ($U_{DCmin} - U_{DCmax}$)	V	200...1100
	MPP-Arbeitsspannungsbereich ($U_{MPPworkmin} - U_{MPPworkmax}$)	V	200...1000
	Number of DC inputs		16
	Number of independent MPP trackers		8
Output (AC)	Max. apparent output power, $\cos \phi_{adj}$	kVA	111
	Max. effective output power	kW	100
	Grid connection		3N~, 230/400 V, 50 Hz
	Setting range of the power factor ($\cos \phi_{AC,r}$)		0,8...1...0,8
System data	Max. efficiency	%	98,4
	Protection class according to EN 60529		IP 65
	DC/AC overvoltage protection		Type 2
	Height / width / depth	mm	936/678/365
	Weight	kg	93
Interfaces	Ambient temperature	°C	-25...60
	Ethernet LAN TCP/IP (RJ45)		2
	WiFi		✓
	Bluetooth		✓
	RS485		2
Digital inputs		Ripple control receiver	
Warranty (KOSTAL Smart Warranty ¹⁾)	Years		2 (5)

Subject to technical changes. Errors excepted.

1) KOSTAL Smart Warranty: 5-year warranty period after registration in the KOSTAL Solar Webshop.

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

