

KOSTAL⁺ize

your energy



KOSTAL Smart Energy Meter

The smart energy meter and manager

KOSTAL – it's a PLUS

The KOSTAL Smart Energy Meter is an energy meter and energy manager in one for optimum measurement and monitoring of self-consumption. Compatible with KOSTAL inverters.

Smart: With multiple-inverter connection, the smart control system ensures optimum energy generation of all KOSTAL inverters

Transparent: The data is collected and made available in real time through standard interfaces – around the clock

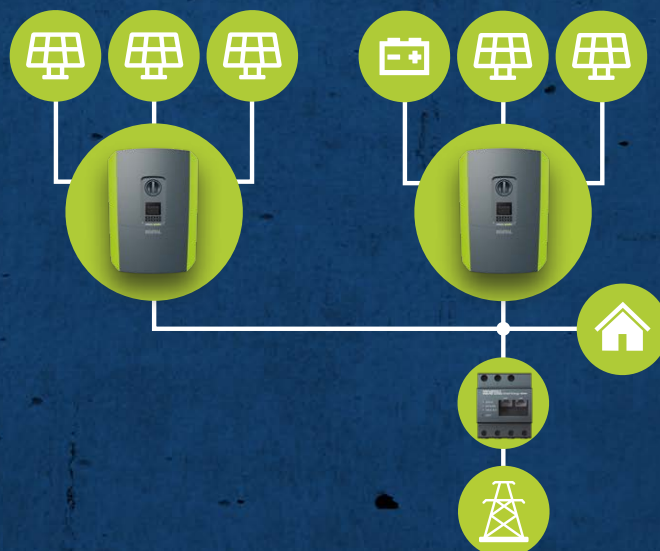
Efficient: The dynamic active power control allows for grid-compliant feed-in taking home consumption into account

Performance features

Thanks to the device's additional computer processing power, the KOSTAL Smart Energy Meter already has the technology for future functions and tasks and offers the optimum solution for all KOSTAL inverters.

- ✚ 2x LAN / 2x RS485 interface
- ✚ Preconfigured RS485 interfaces for simplified commissioning
- ✚ Integrated 3-phase energy measurement up to 63 amps
- ✚ Optional transformer measurement possible
- ✚ Measurement data transmission using modern integrated standard interfaces
- ✚ Intelligent control for multiple-inverter connection
- ✚ Top-hat rail assembly (4 TE) for simple and clear installation in the sub-distribution system
- ✚ Measurement of active and reactive power, apparent power, current and power factor per phase for high safety and maximum accuracy
- ✚ Fast and continuous measuring interval (200 ms)
- ✚ Compatible with all KOSTAL inverters
- ✚ Active battery control with PIKO MP plus
- ✚ Activate the convenience functions with the ENECTOR activation code

Smart management for active power and battery control.



Technical information

KOSTAL Smart Energy Meter¹

System data	Operating system		Embedded Linux with integrated TCP / IP stack
	LAN interfaces for Modbus TCP		2 x (10 / 100 Mbit)
	RS485 interfaces for Modbus RTU		2x (half-duplex, max. 115 200 baud)
	Rated voltage	V	max. 230/400 V~
	Self-consumption – entire device	W	< 5
	Current (rated current / limiting current)	A	5 / 63 ³
Measurement accuracy ²	Active power	%	± 1.0
Mechanical data	Protection class		IP2X
	Weight	kg	0.3
	Dimensions (H / W / D)	mm	88 x 70 x 65
Conditions	Ambient temperature	°C	-25 ... 45

1) 2-year warranty

2) Accuracy class according to IEC 61557-12 With reference to measuring value, Energy Manager. If using external converters, the particular measurement accuracy must be taken into account. If using current sensors via the sensor bar, subject to the power factor the accuracy of the active power is class 2.

3) Limiting current I_N / phase 63 A. Higher currents possible via converter.
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

