KOSTAL

NEW GENERATION
With Smart Communication Board
incl. WLAN ✓
2 x LAN ✓
4 digitale outputs ✓

KOSTALize

your energy

PLENTICORE plus
The all-rounder

KOSTAL – it's a PLUS

PLENTICORE plus: the name says it all. The three-phase hybrid inverter forms the heart of every PV system thanks to its various fields of application – be it for power generation with up to 3 MPP trackers or for additional storage of self-generated energy in a connected battery.

Economical: Minimum stock levels, little training and small installation space – thanks to the all-in-one solution

Flexible: The battery input, available as an option using an activation code, enables flexible storage connection

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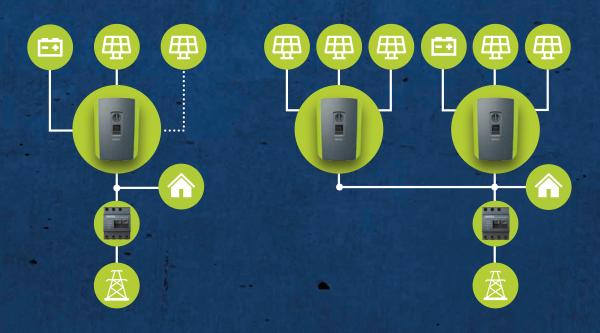
Performance features

A wide range of technical features and convenience functions ensure the variable use of a PLENTICORE plus and the security of your investment.

- ➕ 3 MPP trackers
- ➕ Extended current and voltage range
- ➕ Smart Communication Board
- ➕ Auto-update function
- ➕ Modbus / Sunspec forr Smart Home
- ➕ Digital device display
- ➕ Integrated data logger

- ➕ Separate terminal compartment and protected power electronics
- ➕ Time-dependent battery control
- ➕ Compatible with the KOSTAL ENECTOR Wallbox
- ➕ Dynamic power control / static power limitation
- ➕ Limitation via ripple control receiver

Solar or hybrid. Individually or in a device network. That's maximum flexibility.

KOSTAL

Technical information

		PLENTICORE plus					
Power class		3,0	4,2	5,5	7,0	8,5	10
Input side (DC)							
Input voltage range (U_{DCmin} - U_{DCmax})	V	120...1000					
MPP working voltage range ($U_{MPPworkmin}$ - $U_{MPPworkmax}$)	V	120...720[2)]					
Max. input current (I_{DCmax}) per DC input	A	13					
Number of DC inputs		3					
Number of combined DC inputs (PV or battery)		1					
Output side (AC): Grid connection		3N~, 400 V, 50 Hz					
System data							
Protection class in accordance with IEC 60529		IP 65					
Height / width / depth	mm (in)	563 / 405 / 233 (22.17 / 15.94 / 9.17)					
Weight	kg (lb)	19,6 (43.21)			21,6 (46,62)		
Connection technology, DC side		SUNCLIX plug					
Connection technology, AC side		Spring-type terminal strip					
Interfaces							
Ethernet LAN (RJ45) / WLAN (IEEE 802.11b/g/n 2,4GHz)		2 / ✔					
Energy meter connection for collecting energy data (Modbus RTU)		1					
Digital inputs		Ripple control receiver or external battery control, CEI, OVP monitoring					
Digital outputs		4 (24 V, 100 mA)					
Webserver (user interface)		✔					
Warranty (Smart Warranty / Smart Warranty plus 1)	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 A - 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**