

NEW!

- Hybrid power up to 20 kW ✓
- Backup function ✓
- DC overvoltage protection can be integrated ✓

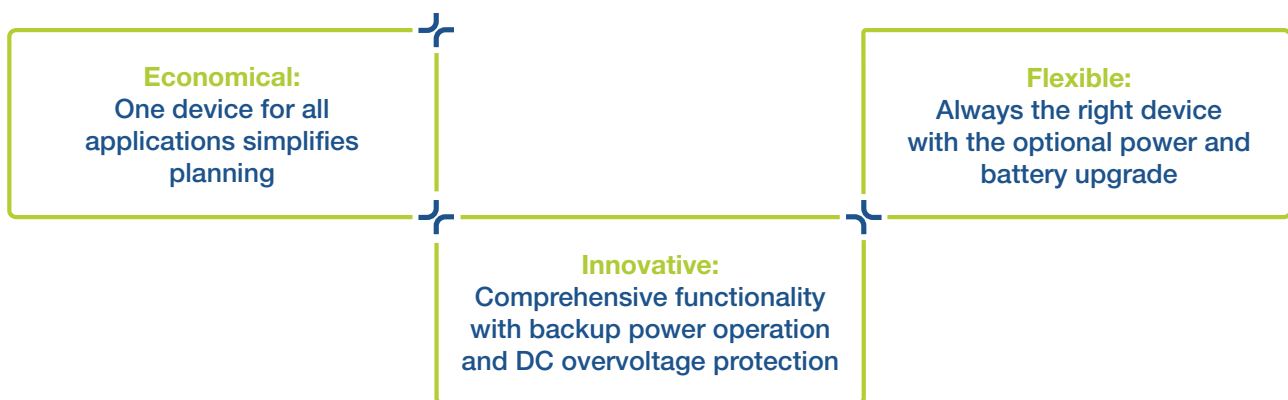
KOSTALize

your energy

**PLENTICORE**  
The original. Re-thought!

## KOSTAL – it's a PLUS

With the third generation of the PLENTICORE, KOSTAL once again demonstrates pioneering spirit true to the motto „one for all, all in one“ and sets new standards in terms of economic efficiency, flexibility and innovation with the new three-phase 20 kW hybrid inverter. Convince yourself!



## Performance features

A wide range of technical features and activatable comfort functions ensure the variable use and investment security of the **third-generation PLENTICORE**.

- ⊕ Power upgrade
- ⊕ Backup power operation with external switchover device
- ⊕ Battery upgrade
- ⊕ Integratable DC overvoltage protection
- ⊕ 3 MPP trackers
- ⊕ Extended current and voltage range
- ⊕ AutoUpdate
- ⊕ Modbus/Sunspec for Smart Home
- ⊕ Digital device display
- ⊕ Integrated data logger
- ⊕ Time-dependent battery control
- ⊕ Convenient terminal compartment and protected power electronics
- ⊕ Compatible with KOSTAL ENECTOR Wallbox
- ⊕ Dynamic power control / limitation
- ⊕ Limitation via ripple control receiver
- ⊕ Commissioning via app, web interface or display
- ⊕ WiFi, 2 x LAN, 4 digital Outputs, SG-Ready
- ⊕ Self-learning shadow management
- ⊕ Wide battery partner portfolio

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



### Technical information

PLENTICORE		S			M			L			
	AC basic powerclass (optional power upgrade)	kW	4	(5,5)	(7)	8,5	(10)	(12,5)	15	(17,5)	(20)
Input side (DC)	Input voltage range ( $U_{DCmin}$ - $U_{DCmax}$ )	V	75...1000								
	MPP working voltage range ( $U_{MPPworkmin}$ - $U_{MPPworkmax}$ )	V	75...800								
	Max. input current ( $I_{DCmax}$ ) DC1/DC2 input	A	17			17			30		
	Max. input current ( $I_{DCmax}$ ) DC3 input	A	17			30			30		
	Number of DC inputs		3								
	Number of combined DC inputs (PV or battery)		1								
AC	Output side (AC): Grid connection		3N~, 230/400V, 50 Hz								
	Rated output current ( $I_{AC,r}$ )	A	10.1			18.1			29		
	Backup power operation		3N~, 230/400V, 50 Hz								
System data	Protection class in accordance with IEC 60529		IP 65								
	Height / width / depth	mm	570/409/237								
	Weight	kg	19,6			21,6			24,1		
	Connection technology, DC side		SUNCLIX plug								
	Connection technology, AC side		Spring-type terminal strip								
Interfaces	Ethernet LAN (RJ45) / WiFi (IEEE 802.11b/g/n 2,4GHz)		2 / ✓								
	Energy meter connection for collecting energy data (Modbus RTU)		✓								
	Digital inputs		Ripple control receiver or external battery control, CEI, OVP monitoring								
	Digitale outputs (e.g. for self-consumption control)		4 (24 V, 100 mA)								
	Webserver (user interface)		✓								
	Warranty (Smart Warranty plus <sup>1)</sup> )	Years	10 (5 + 5)								

Preliminary data. Subject to technical changes. Errors excepted. Detailed layout can be seen in KOSTAL Solar Plan.

1) KOSTAL Smart Warranty and Smart Warranty Plus: 5-year warranty period with activation in the KOSTAL Solar Webshop. Additional 5-year material warranty with registration in the KOSTAL Solar Portal. You will find more information about the service and warranty conditions in the download area for your product.

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)

