KOSTAL

KOSTALize
your energy

PLENTICORE MP
The flexible all-rounder for smaller photovoltaic systems

KOSTAL – it's a PLUS

KOSTAL is once again setting new standards with the new PLENTICORE MP G3 single-phase solar, hybrid or battery inverter. The compact all-rounder can be flexibly expanded in terms of output at any time and can be optionally combined with a battery storage system. Economical, flexible and innovative - that's the new PLENTICORE MP from KOSTAL - optionally also with backup power.

Economical:
One device for all applications simplifies planning

Flexible:
Always the right device with the optional power and battery upgrade

Innovative:
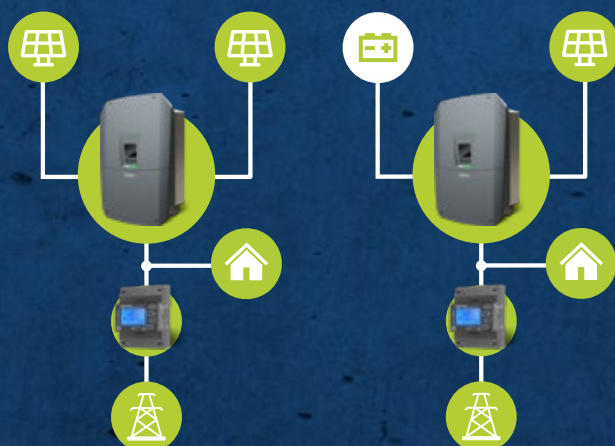Comprehensive functionality with backup power operation and DC overvoltage protection

Performance features

The **PLENTICORE MP's** wide range of technical features and optional convenience functions ensure variable use and investment security.
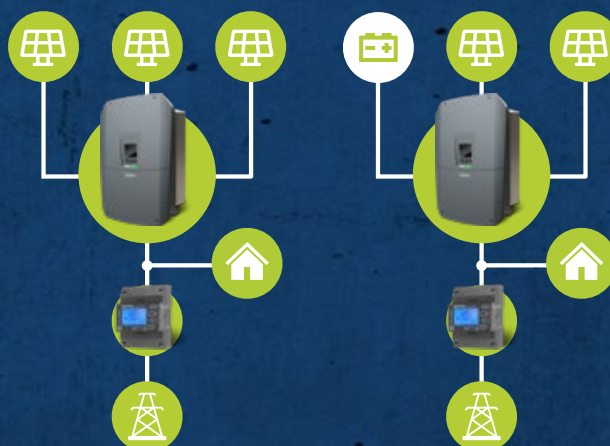
- Power upgrade
- Backup power operation with external switchover device
- Battery upgrade
- Integratable DC overvoltage protection
- 2 MPP trackers (S) / 3 MPP trackers (M)
- AutoUpdate
- Modbus / Sunspec for Smart Home
- Digital device display
- Integrated data logger
- Time-dependent battery control

- Convenient terminal compartment and protected power electronics
- Dynamic power control / limitation
- Limitation via ripple control receiver or EEBUS
- Commissioning via app, web interface or display
- WiFi, 2 x LAN, 4 digital Outputs (e.g. SG-Ready)
- Self-learning shadow management
- Wide battery partner portfolio

Solar, hybrid or battery.
That's maximum flexibility.

PLENTICORE MP S

PLENTICORE MP M

Technical information

PLENTICORE MP		S		M		
AC basic powerclass (optional power upgrade)	kW	3,0	(3,6/4,0)[1]	4,6/5,0[1]	(6,0)	(7,0)

Input side (DC)	Max. Input voltage (U_{DCmax})	V	1000		
	Working voltage range ($U_{DCworkmin}$ - $U_{DCworkmax}$)	V	75...900		
	Max. input current (I_{DCmax}) DC1/DC2 input	A	17		17
	Max. input current (I_{DCmax}) DC3 input	A	-		17
	Number of DC inputs		2		3
	Number of combined DC inputs (PV or battery)		1		
AC	Output side (AC): Grid connection		~, 230V, 50 Hz		
	Rated output current ($I_{AC,r}$)	A	19,32		32
	Backup power operation		~, 230V, 50 Hz		
System data	Protection class in accordance with IEC 60529		IP 65		
	Height / width / depth	mm	561 / 409 / 237		
	Weight	kg	19,6		21,6
	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		
	Digital outputs (e.g. for self-consumption control)		4 (24 V, 100 mA)		
	Webserver (user interface)		✔		
	Warranty (Smart Warranty plus[2])	Years	10 (5 + 5)		

Preliminary data. Subject to technical changes. Errors excepted.

1 Power class is depending on country.
2 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**