

STECA COOLCEPT FLEX XL

Coolcept fleX XL Steca grid connection inverters introduces the successor generation to the established coolcept-topology. Coolcept fleX XL offers a creative energy concept for any modern home.



StecaGrid Coolcept Flex XL



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Thanks to its broad input voltage range and different power classes, the **Steca coolcept fleX XL** is suited for almost all forms of equipment.

The **Steca coolcept fleX XL** provides a product range of 4.2 – 10 kW and contains two MPP trackers. This broad voltage and current range thus makes all arrangements easily possible. Maximum yields can be achieved as a result using innovative shadow management.

Through the high flexibility of the coolcept fleX XL almost any photovoltaic system can be fitted with this Steca inverter.

Simply more communicative

The large number of communication interfaces renders further components for monitoring unnecessary. In addition, the coolcept fleX XL supports the advanced technologies which are found in the smart home area.

- Display, data logger, system monitoring, network and control response interfaces are integrated as standard
- Local and mobile system monitoring via PC, smartphone or tablet
- Free-of-charge solar portal – Steca sunCloud – for monitoring of the PV system
- Commissioning, configuration and display of graphically arranged yield data directly via the inverter display
- Connection of an external energy meter as an option
- EEBus and Sunspec for smart home integration

SPECIFICATIONS

	StecaGrid 1511	StecaGrid 2011	StecaGrid 2511	StecaGrid 3011	StecaGrid 3011-2
DC Input side (PV generator)					
Maximum input voltage			1000 V		
Operating input voltage range			120 ... 720 V		
Number of MPPT tracker			2		
Maximum input current			13,0 A		
Maximum input power	4330 W	5670 W	7220 W	8760 W	10310 W
AC output side (Grid connection)					
Grid voltage	320 ... 460 V (depending on regional settings)				
Rated grid voltage	400 V				
Maximum output current	6,74 A	8,82 A	11,23 A	13,63 A	16,04 A
Maximum active power (cos phi = 1)	4200 W	5500 W	7000 W	8500 W	10000 W
Maximum apparent power	4200 VA	5500 VA	7000 VA	8500 VA	10000 VA
Rated power	4200 W	5500 W	7000 W	8500 W	10000 W
Rated frequency	50 Hz				
Frequency	47 ... 52,5 Hz (depending on regional settings)				
Night-time power loss	< 7,9 W				
Feeding phases	Three phases				
Total harmonic distortion (cos phi = 1)	< 3 %				
Power factor cos phi	0,8 capacitive ... 0,8 inductive				
Performance					
Max. Efficiency	97,1 %	97,1 %	97,2 %	97,2 %	97,2 %
European efficiency	96,2 %	96,2 %	96,5 %	96,5 %	96,5 %
Own consumption	< 7,9 W				
Safety					
Isolation principle	Yes				
Grid monitoring	Yes, integrated				
Residual current monitoring	Yes, Integrated (internal personal protection according to EN 62109-2, RCCB type B)				
Protection class	RCCB type B				
Operating conditions					
Area of application	Outdoors & indoors				
Ambient temperature	-20 °C ... 60 °C				
Relative humidity	4 ... 100 %				
Noise emission (typical)	42 dBA				
Fitting and construction					
Degree of protection	IP 65 / IP 55 (casting/fan)				
Overvoltage category	III (AC), II (DC)				
DC input side connection	Phoenix Contact SUNCLIX (connectors included)				
AC input side connection	Spring-type terminal strip				
Dimensions (X x Y x Z)	563 x 405 x 233				
Weight	17,9 Kg	17,9 Kg	19,9 Kg	19,9 Kg	19,9 Kg
Communication interface	Ethernet LAN (RJ45), 4 x digital inputs, USB 2.0, potential-free contact, Webserver				
Integrated DC circuit breaker	Yes, Compliant with DIN VDE 0100-712				
Cooling principle	Temperature controlled fan, variable speed, internal (dustproof)				
Certificates	CE, GS, EN 62109-1, EN 62109-2, EN 60529, CEI 0-21, EN 50438*, G83/2, IEC 61727, IEC 62116, RD 1699, TOR D4, UNE 206006 IN, UNE 206007-1 IN, UTE C15-712-1, VDE 0126-1-1, VDE-AR-N 4105				

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