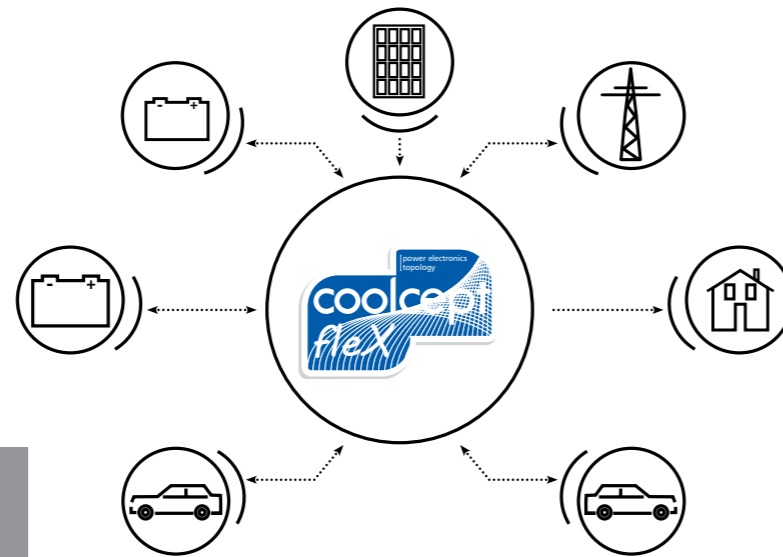


Steca Coolcept flex XL



Product features

- Highest efficiency
- Simple installation
- Integrated data logger
- Low housing temperature at full load
- Integrated DC circuit breaker
- Protective insulation according to protection-class II
- Very long service life
- Droop Mode for integration in hybrid systems
- Fixed voltage mode for other energy sources
- Up to 7-year free warranty after registration
- Optimised shadow management using global MPP tracking

Displays

- Multifunction graphical LCD display with backlighting
- Animated representation of yield

Operation

- Simple menu-driven operation
- Multilingual menu navigation

Highest efficiency with longer service life:

The high efficiency results in a peak efficiency of 97,2% and a european efficiency of up to 96,5%, which results in less lost power that must be dissipated into the environment. This improves your yields.

In addition to this, a new and unique cooling concept inside the inverter ensures an even distribution of the dissipated heat and a long service life for the device.

Product design and visualisation:

The StecaGrid has a graphical LCD display for visualising the energy yield values, current performance and operating parameters of the system. Its innovative menu allows individual selection of the various measurements.

The guided, pre-programmed menu allows easy final commissioning of the device.

Technical data:

	4213	5513	7013	8513	10013
DC input side (PV generator)					
Maximum input voltage	1000V				
Operating input voltage range	120 - 720V				
Number of MPP tracker	2				
Maximum input current per MPPT	13,0 A				
Maximum input power at maximum active output power	4.330 W	5.670 W	7.220 W	8.760 W	10.310 W
AC output side (Grid connection)					
Grid voltage	320 V ... 460 V (depending on regional settings)				
Rated grid voltage	400 V				
Maximum output current	6.74 A	8.82 A	11.23 A	16.63 A	16.04 A
Maximum active power (cos phi = 1)	4.200 W	5.500 W	7.000 W	8.500 W	10.000 W
Maximum apparent power	4.200 W	5.500 W	7.000 W	8.500 W	10.000 W
Rated power	4.200 W	5.500 W	7.000 W	8.500 W	10.000 W
Rated frequency	50 Hz				
Frequency	47 Hz ... 52.5 Hz (depending on regional settings)				
Night-time power loss	< 7.9 W				
Feeding phases	three-phase				
Total harmonic distortion (cos phi = 1)	< 3 %				
Power factor cos phi	0,8 capacitive ... 0,8 inductive				
Efficiency of the operating performance					
Maximum efficiency	97,1 %			97,2 %	
European efficiency	96,2 %			96,5 %	
Own consumption	< 7.9 W				
Safety					
Isolation principle	yes				
Grid monitoring	yes, intergrated				
Residual current monitoring	yes, integrated (Personal protection internal to EN 62109-2, RCCB type B)				
Protection class	protection class 2 (RCD typ A sufficient)				
Operating conditions					
Area of application	Outdoor use				
Ambient temperature	-25 °C ... +60 °C				
Relative humidity	4 % ... 100 %				
Noise emission (typical)	42 dBA				
Fitting and construction					
Degree of protection	IP65				
Overvoltage category	III (AC), II (DC)				
DC input side connection	Phoenix Contact SUNCLIX (2 pair), mating connector included				
AC output side connection	Spring-type terminal strip				
Dimensions (X x Y x Z)	563 x 405 x 233mm				
Weight	17,9kg			19,9kg	
Communication interface	Ethernet LAN (RJ45), Connection of energy meter for collecting energy data (Modbus RTU), 4x Digital inputs (e.g. for digital ripple control receiver), USB 2.0, Potential-free contact for self-consumption control, Webserver (user interface)				
Intergrated DC circuit breaker	yes, compliant with DIN VDE 0126-1-1				
Cooling principle	temperature controlled fan, variable speed, internal (dustproof)				
Test certificate	CE, GS, EN 62109-1, EN 62109-2, EN 60529, IEC 61683, 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				
Articel number	78104085	78104086	78104087	78104088	78104089
Gross price	€ 1750,-	€ 1950,-	€ 2400,-	€ 2650,-	€ 2990,-