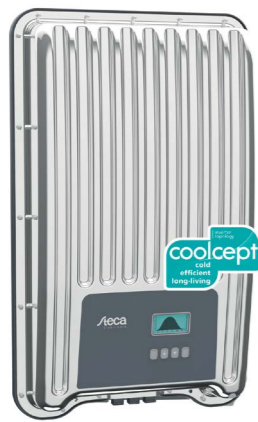


Steca Coolcept-x StecaGrid



Product features

- Highest efficiency
- Simple installation
- Integrated data logger
- Low housing temperature at full load
- Solid stainless steel casing
- Suitable for outdoor installation
- Integrated DC circuit breaker
- 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 98.6 % and a European efficiency of up to 98.3 %, 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:

	1500X	2000X	2500X	3010X	3600X	4200X
DC input side (PV generator)						
Maximum input voltage	420 V		600 V		845 V	
Operating input voltage range	75 V ... 350 V		125 V ... 500 V		350 V ... 700 V	
Number of MPP tracker	1					
Maximum input current	11,5 A				12 A	
Maximum input power at maximum active output power	1.540 W	2.050 W	2.560 W	3.070 W	3.770 W	4.310 W
Maximum recommended PV power	1.800 Wp	2.500 Wp	3.100 Wp	3.800 Wp	4.500 Wp	5.200 Wp
AC output side (Grid connection)						
Grid voltage	185 V ... 276 V (depending on regional settings)					
Rated grid voltage	230 V					
Maximum output current	12 A		14 A		16 A 18,5 A	
Maximum active power (cos phi = 1)	1.500 W	2.000 W	2.500 W	3.000 W	3.680 W ¹	4.200 W ¹
Maximum active power (cos phi = 0,95)	1.500 W	2.000 W	2.500 W	3.000 W	3.500 W	3.990 W
Maximum apparent power (cos phi = 0,95)	1.580 VA	2.100 VA	2.420 VA	3.160 VA	3.680 VA	4.200 VA
Rated power	1.500 W	2.000 W	2.500 W	3.000 W	3.680 W ²	4.200 W ³
Rated frequency	50 Hz en 60 Hz					
Frequency	45 Hz ... 65 Hz (depending on regional settings)					
Night-time power loss	< 2 W					
Feeding phases	single-phase					
Total harmonic distortion (cos phi = 1)	< 2 %					
Power factor cos phi	0,95 capacitive ... 0,95 inductive					
Efficiency of the operating performance						
Maximum efficiency	98 %				98,6 %	
European efficiency	97,4 %	97,5 %	97,6 %	97,7 %	98,3 %	98,2 %
Californian efficiency	97,5 %	97,6 %	97,7 %	97,8 %	98,3 %	98,2 %
MPP efficiency	> 99,7 % (static), > 99 % (dynamic)					
Own consumption	< 4 W					
Power derating at full power from	50 °C (Tamb)		45 °C (Tamb)		50 °C (Tamb)	45 °C (Tamb)
Safety						
Isolation principle	no galvanic isolation, transformerless					
Grid monitoring	yes, intergrated					
Residual current monitoring	yes, intergrated (The design of the inverter prevents it from causing DC leakage current)					
Operating conditions						
Area of application	indoor rooms with or without air conditioning, outdoor with or without protection					
Climate protection class as per IEC 60721-3-3	4K4H					
Ambient temperature	-15 °C ... +60 °C					
Storage temperature	-30 °C ... +80 °C					
Relative humidity	0 % ... 100 %, non-condensating					
Noise emission (typical)	31 dBA					
Fitting and construction						
Degree of protection	IP 65					
Overvoltage category	III (AC), II (DC)					
DC input side connection	Phoenix Contact SUNCLIX (1 pair), mating connector included					
AC output side connection	Stekker Wieland RST25i3, mating connector included					
Dimensions (X x Y x Z)	399 x 657 x 227 mm					
Weight	11 kg		12 kg		11,5 kg	
Communication interface	RS485 (2 x RJ45 sockets; connectable to Meteocontrol WEB ¹ log of Solar-Log TM), Modbus RTU (1 x RJ10 socket connectable to kWh counter, Ethernetinterface (1 x RJ45)					
Intergrated DC circuit breaker	yes, compliant with DIN VDE 0100-712					
Cooling principle	temperature controlled fan, variable speed internal (dustproof)					
Test certificate	see certificate download on the product page					
Article number	78104024	78104025	78104026	78104029	78104033	78104034
Gross price	€ 979,-	€ 1088,-	€ 1179,-	€ 1259,-	€ 1378,-	€ 1458,-