# coolcept

# StecaGrid 1500, StecaGrid 2000, StecaGrid 2500, StecaGrid 3010, StecaGrid 3600, StecaGrid 4200

#### 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.

#### Installation

The lightweights weigh only 8.3 kg, 9.5 kg, 9.6 kg and can be easily and safely mounted on a wall. The supplied wall bracket and practical recessed grips for right and left handed installers make mounting of the device simple and convenient. The device does not need to be opened for installation. All connections and the DC circuit breaker are externally accessible.



# **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
- 7-year warranty after registration
- · Optimised shadow management using global MPP tracking

### Displays

- $\cdot\,$  Multifunction graphical LCD display with backlighting
- Animated representation of yield

## Operation

- · Simple menu-driven operation
- Multilingual menu navigation

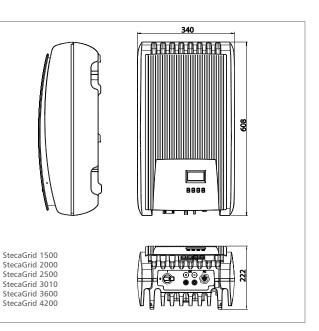
## Options

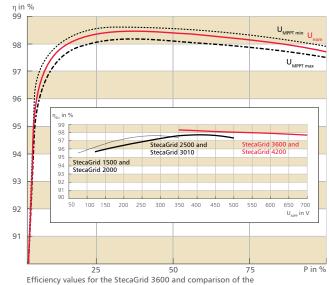
- · Can be connected to a large-format display
- 120 V variant: StecaGrid 2020
- (on request)





StecaGrid 1500 StecaGrid 2000 StecaGrid 2500 StecaGrid 3010 StecaGrid 3600 StecaGrid 4200





MPPT voltage of the all types

# System monitoring and accessories



StecaGrid User Visualisation software



StecaGrid Portal Web portal



StecaGrid SEM Energy manager



Solar-Log<sup>™</sup> and Meteocontrol WEB'log Accessories

Definition of the dependence of the series		StecaGrid 1500	StecaGrid 2000	StecaGrid 2500	StecaGrid 3010	StecaGrid 3600	StecaGrid 4200	
Operating input vhlopp range     75	DC input side (PV-generator)							
Jumice of JAPP Tocker     1     1       Maximum indo tourint     115.4     12.4       Maximum indo tourint     1.540 W     2.560 W     3.070 W     3.770 W     4.310 W       Maximum indo tourint     1.540 W     2.560 W     3.070 W     3.770 W     4.310 W       Maximum incommended PV power     1.800 Wp     2.500 Wp     3.100 Wp     3.800 Wp     4.500 Wp     5.200 Wp       Ac output side (find connection)     200 V     2.500 W     3.000 W     3.680 W <sup>1</sup> 4.200 W <sup>1</sup> Maximum active power     1.500 W     2.000 W     2.500 W     3.000 W     3.680 W <sup>1</sup> 4.200 W <sup>1</sup> Maximum active power     1.500 W     2.000 W     2.500 W     3.000 W     3.680 W <sup>1</sup> 4.200 W <sup>1</sup> Maximum active power     1.500 W     2.000 W     2.500 W     3.000 W     3.680 W <sup>1</sup> 4.200 W <sup>2</sup> Maximum apparent power     1.500 W     2.000 W     2.600 W     3.000 W     3.680 W <sup>1</sup> 4.200 W <sup>2</sup> Maximum apparent power     1.500 W     2.000 W     2.610 W     3.000 W     3.680 W <sup>2</sup> 4.200 W <sup>2</sup>	Maximum input voltage	420 V		600 V		845 V		
Name Inspire lique11.541.540 W 2.580 W2.580 W 3.100 W03.770 W 3.770 W4.310 W 4.310 W0Advarium recommend for yoar Red gin origing1.540 W3.100 W03.600 W04.500 W15.500 W0At output side (Grid connectionS.770 W 1.500 W3.100 W03.600 W15.500 W15.500 W1End gin origingCS.770 W 1.500 W1.500 W3.500 W14.500 W14.500 W1Mainum action tarrent1.500 W2.000 W2.500 W13.600 W14.200 W1Mainum action tarrent1.500 W2.000 W3.500 W13.500 W14.200 W1Mainum action tarrent1.500 W2.000 W3.500 W13.500 W14.200 W1Mainum action tarrent1.500 W2.000 W3.500 W13.500 W14.200 W1Mainum action tarrent1.500 W2.000 W3.500 W14.200 W1Mainum action tarrent1.500 W2.000 W3.500 W14.200 W1Mainum action tarrent1.500 W2.000 W3.500 W14.200 W1Red power1.500 W2.000 W13.500 W14.200 W1Red power1.500 W12.000 W13.500 W14.200 W1Red power1.500 W12.000 W13.500 W1	Operating input voltage range	75 350 V		125 500 V		350 700 V		
Name extere output power extere output power extere output power field output extere output power field field fiel	Number of MPP-Tracker	1						
ache any aconImageImageImageImageImageActionary acon3,800 v/p3,800 v/p3,800 v/p3,800 v/p3,800 v/p3,200 v/pActionary acon1,800 v/p2,500 v/p0,800 v/p3,600 v/p18.63 ARaid girl ohlage1,500 v/t2,000 v/t2,500 v/t3,000 v/t3,600 v/t4,200 v/tKammun acipal current1,500 v/t2,000 v/t2,500 v/t3,000 v/t3,600 v/t4,200 v/tKammun acipal current1,500 v/t2,000 v/t2,600 v/t3,000 v/t3,600 v/t4,200 v/tKammun acipal current1,500 v/t2,000 v/t2,600 v/t3,000 v/t3,600 v/t4,200 v/tKammun acipal current1,500 v/t2,000 v/t3,000 v/t3,600 v/t4,200 v/tKandinum asperit pover1,500 v/t2,000 v/t3,000 v/t3,600 v/t4,200 v/tRaide finder1,500 v/t2,000 v/t3,000 v/t3,600 v/t4,200 v/tRaide finder1,500 v/t2,000 v/t3,000 v/t3,600 v/t4,200 v/tRaide finder1,500 v/t2,000 v/t5,000 v/t5,000 v/t3,000 v/t3,000 v/tRaide finder9,75 v/t	Maximum input current	11.5 A 12 A						
AC output side (Grid connection)     185 V 276 V (depending on regional settings)       Easter grid voltage     185 V 276 V (depending on regional settings)       Rated grid voltage     185 V 276 V (depending on regional settings)       Maintum actiput current     127 A     16 A     2.000 W     3.000 W<		1,540 W	2,050 W	2,560 W	3,070 W	3,770 W	4,310 W	
Grid voltage     185 V 276 V (depending on regional settings)       Rated gin voltage     230 V       Maintum output current     1.50 W     2.000 W     2.500 W     3.000 W     3.680 W °     4.200 W °       Maintum active power (cs phi = 0.5)     1.50 W     2.000 W     2.500 W     3.000 W     3.680 VA     4.200 W °       Maintum active power (cs phi = 0.5)     1.850 VA     2.000 W     2.500 W     3.000 W     3.680 VA     4.200 W °       Maintum active power (cs phi = 0.5)     1.850 VA     2.000 W     2.500 W     3.000 W     3.680 VA     4.200 W °       Maintum active power (cs phi = 0.5)     1.850 VA     2.000 W     2.500 W     3.000 W     3.680 VA     4.200 W °       Rated prover     1.500 W     2.000 W     2.500 W     3.000 W     3.680 VA     4.200 W °       Rated frequency          Frequency          Power foctor cos phi     O         Distor for coros M or VII active prove sof stradid maint or SI o	Maximum recommended PV power	1,800 Wp	2,500 Wp	3,100 Wp	3,800 Wp	4,500 Wp	5,200 Wp	
Bated grid voltage     230 V       Maximum actiput current     12 A     14 A     0.00 V     3.000 VV     3.600 VV     4.200 W       Maximum actiput current     1.500 V     2.000 VV     2.500 VV     3.000 VV     3.680 VA     4.200 VI       Maximum actiput current     1.500 V     2.000 VV     2.500 VV     3.000 VV     3.680 VA     4.200 VA       Maximum actiput current     1.500 V     2.000 VV     2.500 VV     3.000 VV     3.680 VA     4.200 VA       Maximum actiput current     1.500 V     2.000 VV     2.500 VV     3.000 VV     3.680 VA     4.200 VA       Maximum actiput current     1.500 V     2.000 VV     2.500 VV     3.000 VV     3.680 VA     4.200 VA       Relet power     1.500 V     2.000 VV     2.500 VV     3.000 VV     3.680 VA     4.200 VA       Relet power     5.000 VV     2.500 VV     3.000 VV     3.680 VA     4.200 VA       Relet power     5.000 VV     2.500 VV     3.000 VV     3.680 VA     4.200 VA       Contrasting on the power fold	AC output side (Grid connection)							
Maximum outiput current12 A14 A16 A18 S AMaximum active power (cs phi = 1)1,500 W2,000 W2,000 W3,000 W4,200 WW5,000 W3,000	Grid voltage	185 V 276 V (depending on regional settings)						
Name     Nome     1,500 W     2,500 W     3,000 W     3,680 W <sup></sup>	Rated grid voltage							
(cos ph = 1)(cos ph = 1)(cos ph = 0.50)3.0003.0003.0003.0003.0003.0003.0003.0003.0003.0003.0004.200 VAMaxmun apporent power (cos ph = 0.95)1.850 VA2.100 VA2.630 VA3.160 VA3.060 VA4.200 VABretel power (so ph = 0.95)1.500 VA2.000 VA2.630 VA3.000 VA3.680 VA4.200 VABretel power (so ph = 0.95)0.500 VA3.000 VA3.680 VA4.200 VABretel power (so ph = 0.95)0.500 VA3.000 VA3.680 VA4.200 VAPrequency0.550 VA500 VA3.000 VA4.200 VAPower factor (cos phi 1)0.550 VA0.500 VA4.200 VADistortion factor (cos phi 1)0.95 (spacitive - 2.V9.83 %98.3 %98.2 %Power factor cos phi 109.75 %97.6 %97.7 %98.3 %98.2 %Californian efficiency97.5 %97.6 %97.7 %98.3 %98.2 %Power daving at fulpower0.50 °C (T_a)9.97 % (star), > 9.97 % (star), > 9.97 % (star), VAab 50 °C (T_a)ab 45 °C (T_a)Power daving at fulpower0.50 °C (T_a)9.97 % (star), YA9.83 %9.82 %9.82 %Californian efficiency9.75 %9.97 % (star), YA9.83 %9.82 %9.82 %Californian efficiency9.97 % (star), YA9.83 %9.82 %9.82 %Californian efficiency9.97 % (star), YA9.83 %9.82 %9.83 %9.82 %Californian efficiency <td< td=""><td>Maximum output current</td><td colspan="4">12 A 14 A 16 A</td><td>18.5 A</td></td<>	Maximum output current	12 A 14 A 16 A				18.5 A		
(co. phi = 0.95) Maximum apparent power (co. phi = 0.95)(1.80 VA 2.100 VA2.100 VA 2.600 VA3.160 VA 3.680 VA4.200 VA 4.200 VARated power1.500 W2.000 W2.500 W3.000 W3.680 VA4.200 VARated power0.500 W2.500 VA3.000 W3.680 VA4.200 VARated power0.500 W5.160 VA5.680 VA4.200 VAMight-line power load $< V = V = 0.000 VA$		1,500 W	2,000 W	2,500 W	3,000 W	3,680 W 1)	4,200 W <sup>1)</sup>	
(cos phi = 0.9s)		1,500 W	2,000 W	2,500 W	3,000 W	3,500 W	3,990 W	
Rated power     1,500 W     2,000 W     3,000 W     3,680 W <sup>3</sup> 4,200 W <sup>3</sup> Rated frequency     S012 and 60 Hz     S012 and 50 HZ <td></td> <td>1,850 VA</td> <td>2,100 VA</td> <td>2,630 VA</td> <td>3,160 VA</td> <td>3,680 VA</td> <td>4,200 VA</td>		1,850 VA	2,100 VA	2,630 VA	3,160 VA	3,680 VA	4,200 VA	
HequencyNight time power lossNight time power lossPower lots of the operating performanceDistortion factor (cos phi = 1)Power lots of the operating performanceMaximum efficiency97.4 %97.4 %97.5 %97.6 %97.7 %98.8 %98.2 %Selfornian efficiency97.7 %97.7 %98.3 %98.2 %98.2 %MPP efficiency97.7 %97.7 %99.8 %98.2 %98.2 %MPP efficiency97.6 %97.7 %99.8 %98.2 %98.2 %Might and time provide metric solution.99.7 %98.7 %99.8 %98.7 %99.8 %98.2 %98.2 %Might and time provide metric solution.99.8 %98.2 %99.7 %98.3 %98.2 %MPP efficiency97.6 %99.7 % (static), > 99 % (dynamic)Own consumptionVerewerlage table powerab 50 °C (T_{un})ab 45 °C (T_{un})SafetyIsolation principle		1,500 W	2,000 W	2,500 W	3,000 W	3,680 W 2)	4,200 W 3)	
Night-time power loss<<Feeding phasessingle-phaseDistortion factor (cos phi = 1)<								
Night-time power loss<<Feeding phasessingle-phaseDistortion factor (cos phi = 1)<								
Second S								
Second S	Feeding phases							
Characterisation of the operating performanceMaximum efficiency97.4 %97.5 %97.6 %97.7 %98.3 %98.2 %European efficiency97.4 %97.5 %97.7 %97.8 %98.3 %98.2 %California efficiency97.5 %97.7 %97.8 %98.3 %98.2 %MPP efficiency97.5 %97.7 %97.8 %98.3 %98.2 %MPP efficiency $> 99.7 \%$ (static) > 99 % (dynamic) $> 99.3 \%$ (98.2 %98.3 %98.2 %Own consumption $< 4 W$ $< 4 W$ $> 99.7 \%$ (static) > 99 % (dynamic) $ab 45 ^{\circ}C (T_{aub})$ <								
Maximum efficiency98.%98.6 %European efficiency97.4 %97.5 %97.6 %97.7 %98.3 %98.2 %Californian efficiency97.5 %97.7 %97.8 %98.3 %98.2 %MPe efficiency $> 97.7 \%$ 97.8 %98.3 %98.2 %Own consumption $< > 97.8 \%$ 97.8 %98.3 %98.2 %Own consumption $< 4 W$ Power derating at full power $ab 50 ^\circ C (T_{em})$ $ab 45 ^\circ C (T_$	Power factor cos phi							
Maximum efficiency98.%98.6 %European efficiency97.4 %97.5 %97.6 %97.7 %98.3 %98.2 %Californian efficiency97.5 %97.6 %97.7 %98.3 %98.2 %MPe efficiency $> 97.5 \%$ 97.6 %97.7 %98.3 %98.2 %Own consumption $< > 97.6 \%$ 97.7 %98.3 %98.2 %Own consumption $< 4 W$ Power derating at full power $ab 50 ^\circ C (T_{ent})$ $ab 45 ^\circ C (T_{en$								
European efficiency97.4 %97.5 %97.6 %97.7 %98.3 %98.2 %Californian efficiency97.5 %97.6 %97.7 %97.8 %98.3 %98.2 %MPP efficiency97.5 %97.6 %97.7 %97.8 %98.3 %98.2 %MPP efficiency99.7 % (static), > 99 % (dynamic)97.8 %98.3 %98.2 %Own consumption< 4 W								
Californian efficiency97.5 %97.6 %97.7 %97.8 %98.3 %98.3 %98.2 %MPP efficiency> 99.7 % (static), > 99 % (dynamic) <td< td=""><td></td><td>97.4 %</td><td>97.5 %</td><td>97.6 %</td><td>97.7 %</td><td>98.3 %</td><td>98.2 %</td></td<>		97.4 %	97.5 %	97.6 %	97.7 %	98.3 %	98.2 %	
MPP efficiency $> 99.7$ % (static), $> 99 %$ (dynamic)Own consumption $< 4 W$ Power derating at full power $ab 50 °C (T_{mb})$ $ab 50 °C (T_{mb})$ $ab 50 °C (T_{mb})$ $ab 50 °C (T_{mb})$ $ab 45 °C (T_{mb})$ $ab 50 °C (T_{mb})$ $ab 45 °C (T_{mb})$ $ab 50 °C (T_{m$		97.5 %	97.6 %	97.7 %	97.8 %	98.3 %	98.2 %	
Power derating at full powerab 50 °C (T_mt)ab 50 °C (T_mt)ab 45 °C (T_mt)ab 45 °C (T_mt)SafetyIsolation principleno galvanic isolation, transformerlessGrid monitoringyes, integratedResidual current monitoringOperating conditionsArea of applicationIndoor rooms with or without air conditioningClimatic category according to IEC 60721-3-3Ambient temperature-15 °C +60 °CStorage temperature								
Safety   Image   Imagee	Own consumption							
Isolation principleno galvanic isolation, transformerlessGrid monitoringyes, integratedResidual current monitoringyes, integratedOperating conditionsArea of applicationindoor rooms with or without air conditioningClimatic category according to IEC 60721-3-33K3Ambient temperature-15 °C +60 °CStorage temperature-30 °C +80 °CRelative humidity0% 95 %, non-condensatingNoise emission (typical)22 dBA23 dBA26 dBA29 dBA31 dBAIII (AC), II (DC)Degree of protectionWeightAc output side connectionPhoenix Contact SUNCLIX (1 pair), mating connector includedA coutput side connectionPhoenix Contact SUNCLIX (1 pair), mating connector includedAG ox Su S Size Size Size Size Size Size Size Si	Power derating at full power	ab 50 °C ( $T_{amb}$ ) ab 45 °C ( $T_{amb}$ ) ab 50 °C ( $T_{amb}$ ) ab 45 °C ( $T_{amb}$ ) ab 45 °C ( $T_{amb}$ )						
Grid monitoring   yes, integrated     Residual current monitoring   yes, integrated 4     Operating conditions   indoor rooms with or without air conditioning     Climatic category according to IEC 60721-3-3   3K3     Ambient temperature   -15 °C + 60 °C     Storage temperature   -30 °C + 80 °C     Relative humidity   0 % 95 %, non-condensating     Noise emission (typical)   22 dBA   23 dBA   26 dBA   29 dBA   31 dBA     Fitting and construction   IP 21 (casing: IP 51; display: IP 21)   Voevroltage category   III (AC), II (DC)     Dec Input side connection   Phoenix Contact SUNCLIX (1 pair), mating connector included   Ac output side connection included   Storage 9, 1kg     Owight   8.3 kg   9.6 kg   9.1 kg     Communication interface   RS485 (2 x RI45 sockets; connectable to Meteocontrol WEB'log or Solar-Log", 1 x RI11 socket: connectable to Modus RTU counter), Ethermet Interface (1 x RI45)     Integrated DC circuit breaker   yes, compliant with VDE 0100-712   Cooling principle	Safety	unnu   dintu dintu dintu						
Residual current monitoring   yes, integrated 4i     Operating conditions   indoor rooms with or without air conditioning     Area of application   3K3     Climatic category according to IEC 60721-3-3   3K3     Ambient temperature   -15 °C +60 °C     Storage temperature   -30 °C +80 °C     Relative humidity   0 % 95 %, non-condensating     Noise emission (typical)   22 dBA   23 dBA   26 dBA   29 dBA   31 dBA     Fitting and construction   IIP 21 (casing: IP 51; display: IP 21)   31 dBA     Degree of protection   III (AC), II (DC)   Vervoltage category   III (AC), II (DC)     DC Input side connection   Phoenix Contact SUNCLIX (1 pair), mating connector included   AC output side connector included     AC output side connection   Weight   8.3 kg   9.6 kg   9.1 kg     Ommunication interface   RS485 (2 x RJ45 sockets; connectable to Meteocontrol WEB'log or Solar-Log °, 1 x RJ11 socket: connectable to Mobus RTU counter), Ethernet interface (1 x RJ45)   Interpreture-controlled fan, variable speed, internal (dustproof)     Integrated DC circuit breaker   yes, compliant with VDE 0100-712   Coning principle   Control fan, variable speed, internal (dustproof)	Isolation principle	no galvanic isolation, transformerless						
Operating conditions     Area of application     Climatic category according to IEC 60721-3-3     Ambient temperature     -15 °C +60 °C     Storage temperature     -30 °C +80 °C     Relative humidity     Noise emission (typical)     22 dBA   23 dBA     26 dBA   29 dBA     31 dBA     Fitting and construction     Degree of protection     Overvoltage category     III (AC), II (DC)     DC Input side connection     Phoenix Contact SUNCLIX (1 pair), mating connector included     Act output side connection     Dimensions (X x Y x Z)     Weight   8.3 kg     9.6 kg   9.1 kg     Communication interface   RS485 (2 x RI45 sockets; connectable to Meteocontrol WEB'log or Solar-Log", 1 x RI11 socket: connectable to Modus RTU counter), Ethernet interface (1 x RI45)     Integrated DC circuit breaker   yes, compliant with VDE 0100-712     Cooling principle   temperature-controlled fan, variable speed, internal (dustproof)	Grid monitoring	yes, integrated						
Area of application   indoor rooms with or without air conditioning     Climatic category according to IEC 60721-3-3   3K3     Ambient temperature   -15 °C +60 °C     Storage temperature   -30 °C +80 °C     Relative humidity   0 % 95 %, non-condensating     Noise emission (typical)   22 dBA   23 dBA   26 dBA   29 dBA   31 dBA     Fitting and construction   IP 21 (casing: IP 51; display: IP 21)   31 dBA   31 dBA     Overvoltage category   III (AC), II (DC)   Vervoltage category   III (AC), II (DC)   Vervoltage category   III (AC), II (DC)     DC Input side connection   Phoenix Contact SUNCLIX (1 pair), mating connector included   AC output side connection included   Ado 608 x 222 mm     Veight   8.3 kg   9.6 kg   9.1 kg     Communication interface   RS485 (2 x RJ45 sockets; connectable to Meteocontrol WEB'log or Solar-Log™, 1 x RJ11 socket: connectable to Modbus RTU counter), Ethernet interface (1 x RJ45)   Interpreture-controlled fan, variable speed, internal (dustproof)     Cooling principle   temperature-controlled fan, variable speed, internal (dustproof)	Residual current monitoring	yes, integrated 4)						
Climatic category according to IEC 60721-3-3   3K3     Ambient temperature   -15 °C + 60 °C     Storage temperature   -30 °C + 80 °C     Relative humidity   0 % 95 %, non-condensating     Noise emission (typical)   22 dBA   23 dBA   26 dBA   29 dBA   31 dBA     Fitting and construction   IIP 21 (casing: IP 51; display: IP 21)   31 dBA     Degree of protection   IP 21 (casing: IP 51; display: IP 21)   Vervoltage category     Overvoltage category   III (AC), II (DC)   II (AC), II (DC)     DC Input side connection   Phoenix Contact SUNCLIX (1 pair), mating connector included   Matige connector included     Dimensions (X x Y x Z)   340 x 608 x 222 mm   340 x 608 x 222 mm     Veight   8.3 kg   9.6 kg   9.1 kg     Communication interface   RS485 (2 x RJ45 sockets; connectable to Metwoortrol WEB'log or Solar-Log <sup>m</sup> , 1 x RJ11 socket: connectable to Modbus RTU counter), Ethernet interface (1 x RJ45)   Integrated DC circuit breaker     Integrated DC circuit breaker   yes, compliant with VDE 0100-712   Cooling principle	Operating conditions							
IEC 60721-3-3Image: Second secon	Area of application	indoor rooms with or without air conditioning						
Storage temperature-30 °C +80 °CRelative humidity $22 \text{ dBA}$ $23 \text{ dBA}$ $26 \text{ dBA}$ $29 \text{ dBA}$ $31 \text{ dBA}$ Noise emission (typical) $22 \text{ dBA}$ $23 \text{ dBA}$ $26 \text{ dBA}$ $29 \text{ dBA}$ $31 \text{ dBA}$ Fitting and constructionIP 21 (casing: IP 51; display: IP 21)Overvoltage categoryIII (AC), II (DC)DC Input side connectionVervoltage categoryVieland RST25i3 plug, mating connector includedA C output side connectionOther Start SUNCLIX (1 pair), mating connector includedA C output side connectionVieland RST25i3 plug, mating connector includedDimensions (X x Y x Z)Start Start Star		3K3						
Relative humidity   0 % 95 %, non-condensating     Noise emission (typical)   22 dBA   23 dBA   26 dBA   29 dBA   31 dBA     Fitting and construction	Ambient temperature	-15 °C +60 °C						
Noise emission (typical)   22 dBA   23 dBA   26 dBA   29 dBA   31 dBA     Fitting and construction   Degree of protection   IP 21 (casing: IP 51; display: IP 21)   IP 21 (casing: IP 51; display: IP 21)     Overvoltage category   III (AC), II (DC)   III (AC), II (DC)   III (AC), II (DC)     DC Input side connection   Phoenix Contact SUNCLIX (1 pair), mating connector included   AC output side connection     Dimensions (X x Y x Z)   III (AC), II (DC)   III (AC), II (DC)     Weight   8.3 kg   9.6 kg   9.1 kg     Communication interface   RS485 (2 x RI45 sockets; connectable to Meteocontrol WEB'log or Solar-Log <sup>™</sup> , 1 x RJ11 socket: connectable to Modbus RTU counter), Ethernet interface (1 x RJ45)   Integrated DC circuit breaker   yes, compliant with VDE 0100-712     Cooling principle   temperature-controlled fan, variable speed, internal (dustproof)   Image: Additional content and the standard of the sta	Storage temperature	-30 °C +80 °C						
Fitting and construction     Degree of protection   IP 21 (casing: IP 51; display: IP 21)     Overvoltage category   III (AC), II (DC)     DC Input side connection   Phoenix Contact SUNCLIX (1 pair), mating connector included     AC output side connection   Wieland RST25i3 plug, mating connector included     Dimensions (X x Y x Z)   340 x 608 x 222 mm     Weight   8.3 kg   9.6 kg   9.1 kg     Communication interface   RS485 (2 x RJ45 sockets; connectable to Meteocontrol WEB'log or Solar-Log <sup>™</sup> , 1 x RJ11 socket: connectable to Modbus RTU counter), Ethernet interface (1 x RJ45)   Integrated DC circuit breaker     Vesion principle   temperature-controlled fan, variable speed, internal (dustproof)	Relative humidity	0 % 95 %, non-condensating						
Degree of protection   IP 21 (casing: IP 51; display: IP 21)     Overvoltage category   III (AC), II (DC)     DC Input side connection   Phoenix Contact SUNCLIX (1 pair), mating connector included     AC output side connection   Wieland RST25i3 plug, mating connector included     Dimensions (X x Y x Z)   340 x 608 x 222 mm     Weight   8.3 kg   9.6 kg   9.1 kg     Communication interface   RS485 (2 x RJ45 sockets; connectable to Meteocontrol WEB'log or Solar-Log™, 1 x RJ11 socket: connectable to Modbus RTU counter), Ethernet interface (1 x RJ45)   Integrated DC circuit breaker     Vesign definition   temperature-controlled fan, variable speed, internal (dustproof)	Noise emission (typical)	22 dBA	23 dBA	1	-	dBA	31 dBA	
Degree of protection   IP 21 (casing: IP 51; display: IP 21)     Overvoltage category   III (AC), II (DC)     DC Input side connection   Phoenix Contact SUNCLIX (1 pair), mating connector included     AC output side connection   Wieland RST25i3 plug, mating connector included     Dimensions (X x Y x Z)   340 x 608 x 222 mm     Weight   8.3 kg   9.6 kg   9.1 kg     Communication interface   RS485 (2 x RJ45 sockets; connectable to Meteocontrol WEB'log or Solar-Log™, 1 x RJ11 socket: connectable to Modbus RTU counter), Ethernet interface (1 x RJ45)   Integrated DC circuit breaker     Vesign definition   temperature-controlled fan, variable speed, internal (dustproof)	Fitting and construction							
DC Input side connection   Phoenix Contact SUNCLIX (1 pair), mating connector included     AC output side connection   Wieland RST25i3 plug, mating connector included     Dimensions (X x Y x Z)   340 x 608 x 222 mm     Weight   8.3 kg   9.6 kg     Communication interface   RS485 (2 x RJ45 sockets; connectable to Meteocontrol WEB'log or Solar-Log <sup>™</sup> , 1 x RJ11 socket: connectable to Modbus RTU counter), Ethernet interface (1 x RJ45)     Integrated DC circuit breaker   yes, compliant with VDE 0100-712     Cooling principle   temperature-controlled fan, variable speed, internal (dustproof)	Degree of protection	IP 21 (casing: IP 51; display: IP 21)						
AC output side connection   Wieland RST25i3 plug, mating connector included     Dimensions (X x Y x Z)   340 x 608 x 222 mm     Weight   8.3 kg   9.6 kg   9.1 kg     Communication interface   RS485 (2 x RJ45 sockets; connectable to Meteocontrol WEB'log or Solar-Log <sup>™</sup> , 1 x RJ11 socket: connectable to Modbus RTU counter), Ethernet interface (1 x RJ45)   Integrated DC circuit breaker   yes, compliant with VDE 0100-712     Cooling principle   temperature-controlled fan, variable speed, internal (dustproof)	Overvoltage category	III (AC), II (DC)						
Dimensions (X x Y x Z)   340 x 608 x 222 mm     Weight   8.3 kg   9.6 kg   9.1 kg     Communication interface   RS485 (2 x RJ45 sockets; connectable to Meteocontrol WEB'log or Solar-Log <sup>™</sup> , 1 x RJ11 socket: connectable to Modbus RTU counter), Ethernet interface (1 x RJ45)   Note of the solar	DC Input side connection	Phoenix Contact SUNCLIX (1 pair), mating connector included						
Weight 8.3 kg 9.6 kg 9.1 kg   Communication interface RS485 (2 x RJ45 sockets; connectable to Meteocontrol WEB'log or Solar-Log <sup>™</sup> , 1 x RJ11 socket: connectable to Modbus RTU counter), Ethernet interface (1 x RJ45) 9.1 kg   Integrated DC circuit breaker yes, compliant with VDE 0100-712   Cooling principle temperature-controlled fan, variable speed, internal (dustproof)	AC output side connection	Wieland RST25i3 plug, mating connector included						
Communication interface   RS485 (2 x RJ45 sockets; connectable to Meteocontrol WEB'log or Solar-Log <sup>™</sup> , 1 x RJ11 socket: connectable to Modbus RTU counter), Ethernet interface (1 x RJ45)     Integrated DC circuit breaker   yes, compliant with VDE 0100-712     Cooling principle   temperature-controlled fan, variable speed, internal (dustproof)	Dimensions (X x Y x Z)		340 x 608 x 222 mm					
Communication interface   RS485 (2 x RJ45 sockets; connectable to Meteocontrol WEB'log or Solar-Log <sup>™</sup> , 1 x RJ11 socket: connectable to Modbus RTU counter), Ethernet interface (1 x RJ45)     Integrated DC circuit breaker   yes, compliant with VDE 0100-712     Cooling principle   temperature-controlled fan, variable speed, internal (dustproof)	Weight	8.3	8.3 kg 9.6 kg 9.1 kg					
Cooling principle temperature-controlled fan, variable speed, internal (dustproof)	Communication interface	RS485 (2 x RJ45 soc						
	Integrated DC circuit breaker			yes, compliant wi	th VDE 0100-712			
Test certificate see certificate download on the product page	Cooling principle		tempera	ture-controlled fan, var	iable speed, internal (du	ustproof)		
	Test certificate	see certificate download on the product page						



<sup>1)</sup> Belgium: 3,330 W <sup>2)</sup> Portugal: 3,450 W <sup>3)</sup> Portugal: 3,680 W <sup>4)</sup> The design of the inverter prevents it from causing DC leakage current.