

Energy + Home Automation

KOPP.Kuara 2.0-1-S



Product features

- ✓ High Performance: 97,4% maximum efficiency
- ✓ Upgradeable
- ✓ IP65 Rated
- ✓ Remote Monitoring

Clever sein.
Kopp einschalten.

KOPP

Product	
Article number:	432502002
Product description:	Single-Phase MPPT Inverter
EAN-Code:	4008224675147

Dimensions, Weight, Color	
Height / Width / Depth:	290 x 220 x 116mm
Weight:	5.4kg
Color:	blue

Specifications	
Input PV	
Max. Recommended DC Power [W]:	3000
Max. DC Voltage [V]:	500
Nominal DC Operating Voltage [V]:	360
Max. Input Current [A]:	14
Max. Short Circuit Current [A]:	18
MPPT Voltage Range [Vdc]:	50–480
Start-up Voltage [V]:	60
No. of MPP Trackers:	1
Strings Per MPP Tracker:	1

Output AC	
Nominal AC Power [W]:	2000
Max. Apparent AC Power [VA]:	2000
Rated Grid Voltage [Vac]:	230; (190–260)
Rated Grid Frequency [Hz]:	50/60 ± 5 Hz
Nominal AC Current [A]:	8.7
Max. AC Current [A]:	9.6
Displacement Power Factor:	1 (Adjustable from 0.8 leading to 0.8 lagging)
Total Harmonic Distortion (THDi, Nominal output):	< 3%

Efficiency	
MPPT Efficiency:	99.00%
Euro-efficiency:	96.80%
Max. Efficiency:	97.40%

Protection	
DC Reverse Polarity Protection:	Yes
Anti-Islanding Protection:	Yes
Insulation Monitoring:	Yes
Residual Current Monitoring:	Yes
AC Short Circuit Protection:	Yes
AC Output Over Current Protection:	Yes
AC Output Over Voltage Protection:	Yes
Surge Protection:	Type II (DC) / Type III (AC)
Temperature Protection:	Yes
Integrated DC Switch:	Yes
AFCI Protection:	Optional

Standard	
Safety:	IEC 62109-1/2
EMC:	IEC 61000-6-1/ IEC 61000-6-2/ IEC 61000-6-3
Certification:	EN 50549; C10/11; IEC 61727; ABNT NBR 16149/16150; IEC62116

General Data	
Topology:	Transformerless
Noise Emission:	< 30dB
Max. Operating Altitude [m]:	3000
Operating Temperature Range:	-25 – +60°C
Self Consumption (night) (W):	< 1
Monitoring Module (optional):	External WIFI/GPRS (optional)
Communication:	RS485, Meter, CT, ISO alarm
Display:	LCD screen, Touch Key, App, Website
Cooling Concept:	Natural
Ingress Protection:	IP65
Over Voltage Category:	III (AC side), II (PV side)

