

Energy + Home Automation

# KOPP Kuara 3.0-1-S



## Product features

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

Clever sein.  
Kopp einschalten.

**KOPP**

Product	
Article number:	432503003
Product description:	KOPP Kuara 3.0-1-S
EAN-Code:	4008224672436

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

Specifications	
<b>Input PV</b>	
Max. Recommended DC Power [W]:	4500
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

<b>Output AC</b>	
Nominal AC Power [W]:	3000
Max. Apparent AC Power [VA]:	3300
Rated Grid Voltage [Vac]:	230; (190–260)
Rated Grid Frequency [Hz]:	50/60 ± 5 Hz
Nominal AC Current [A]:	13.0
Max. AC Current [A]:	14.3
Displacement Power Factor:	1 (Adjustable from 0.8 leading to 0.8 lagging)
Total Harmonic Distortion (THDi, Nominal output):	< 3%

<b>Efficiency</b>	
MPPT Efficiency:	99.00 %
Euro-efficiency:	96.80 %
Max. Efficiency:	97.40 %

<b>Protection</b>	
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

<b>Standard</b>	
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

<b>General Data</b>	
Topology:	Non-isolated
Noise Emission:	< 30dB
Max. Operating Altitude [m]:	3000
Operating Temperature Range:	-25 – +60°C
Self Consumption (night) (W):	< 1
Monitoring Module (optional):	External WIFI
Communication:	RS485, Meter, CT, ISO alarm
Display:	LCD screen, Touch Key, App, Website

