

Energy + Home Automation

KOPP Kuara 5.0-2-S



Product features

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

Clever sein.
Kopp einschalten.

KOPP

Product	
Article number:	432505005
Product description:	KOPP Kuara 5.0-2-S
EAN-Code:	4008224672443

Dimensions, Weight, Color	
Height / Width / Depth:	402 x 476,5 x 148 mm
Weight:	15.5 kg
Color:	blue

Specifications	
Input PV	
Max. Recommended DC Power [W]:	7500
Max. DC Voltage [V]:	60
Nominal DC Operating Voltage [V]:	360
Max. Input Current [A]:	12.5/12.5
Max. Short Circuit Current [A]:	15/15
MPPT Voltage Range [Vdc]:	80–550
Start-up Voltage [V]:	120
No. of MPP Trackers:	2
Strings Per MPP Tracker:	1

Output AC	
Nominal AC Power [W]:	5000
Max. Apparent AC Power [VA]:	5500
Rated Grid Voltage [Vac]:	230; (190–260)
Rated Grid Frequency [Hz]:	50/60 ± 5 Hz
Nominal AC Current [A]:	21.7
Max. AC Current [A]:	23.9
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:	Optional

Standard	
Safety:	IEC 62109-1/2
EMC:	IEC 61000-6-1/ IEC 61000-6-2/ IEC 61000-6-3
Certification:	EAS4777.2-2015/ G98-1/ G99-1/ EN50549-1/ IEC 61727

General Data	
Topology:	Transformerless
Noise Emission:	< 30dB
Storage Temperature Range:	-40 – +70°C
Operating Temperature Range:	-05 – +60°C
Self Consumption (night) (W):	< 1
Monitoring Module (optional):	External WIFI/GPRS (optional)
Communication:	Meter, CT, DRM, USB update, RS485
Display:	LCD screen, Touch Key, App, Website

