

Energy + Home Automation

KOPP Kuara 20.0-2-T



Product features

- ✓ High Performance: 98,6% maximum efficiency
- ✓ Upgradeable
- ✓ IP65 Rated
- ✓ Remote Monitoring

Clever sein.
Kopp einschalten.

KOPP

Product	
Article number:	432520004
Product description:	KOPP Kuara 20.0-2-T
EAN-Code:	4008224672481

Dimensions, Weight, Color	
Height / Width / Depth:	370 x 480 x 183,5 mm
Weight:	21 kg
Color:	blue

Specifications

Input PV	
Max. Recommended DC Power [W]:	30000
Max. DC Voltage [V]:	1100
Nominal DC Operating Voltage [V]:	600
Max. Input Current (input A/ input B) [A]:	28/28
Max. Short Circuit Current (input A/ input B) [A]:	36.4/36.4
MPPT Voltage Range [Vdc]:	140–1000
MPPT Voltage Range (full load) [Vdc]:	370–850
Start-up Voltage [V]:	140
No. of MPP Trackers:	2
Strings Per MPP Tracker:	2+2

Output AC	
Nominal AC Power [W]:	20000
Max. Apparent AC Power [VA]:	20000
Rated Grid Voltage [Vac]:	3/N/PE, 230/400; (320–460)
Rated Grid Frequency [Hz]:	50/60 ± 5 Hz
Nominal AC Current [A]:	29.0
Max. AC Current [A]:	31.9
Displacement Power Factor:	1 (Adjustable from 0.8 leading to 0.8 lagging)
Total Harmonic Distortion (THDi, Nominal output):	< 3%

Efficiency	
MPPT Efficiency:	99.80 %
Euro-efficiency:	97.80 %
Max. Efficiency:	98.60 %

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
String Level Monitor:	Optional

Standard	
Safety:	IEC 62109-1/2
EMC:	IEC 61000-6-1/IEC 61000-6-2/IEC 61000-6-3/IEC61000-4-2/3/4/5/6/8
Certification:	AS4777.2-2020/VDE-AR-N 4105/VDE0126-1-1/ G98/ G99/ EN50549-1/ CEI 0-21/ NB/ T32004 IEC62116/ IEC61727/ IEC61683

General Data	
Topology:	Transformerless
Noise Emission:	< 55 dB
Humidity:	0–100% (no condensation)
Storage Temperature Range:	-40 – +70°C
Operating Temperature Range:	-25 – +60°C (derating at +45)
Self Consumption (night) (W):	< 1
Monitoring Module (optional):	External WIFI/GPRS (optional)
Communication:	RS485/Meter, CT, DRM, USB update
Display:	LCD screen, Touch Key, App, Website
Polution Degree:	II
Cooling Concept:	FAN
Protectiv Class:	I

