

Energy + Home Automation

KOPP Kuara 15.0-2-T



Product features

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

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Kopp einschalten.

KOPP

| Product | |
|----------------------|---------------------|
| Article number: | 432515002 |
| Product description: | KOPP Kuara 15.0-2-T |
| EAN-Code: | 4008224672474 |

| 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]: | 22500 |
| 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]: | 275–850 |
| Start-up Voltage [V]: | 140 |
| No. of MPP Trackers: | 2 |
| Strings Per MPP Tracker: | 2+2 |

| Output AC | |
|---|--|
| Nominal AC Power [W]: | 15000 |
| Max. Apparent AC Power [VA]: | 15000 |
| Rated Grid Voltage [Vac]: | 3/N/PE, 230/400; (320–460) |
| 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: | 99.80 % |
| 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 |

